ZOWIE

2010

SCHOTTKY

SCHOTTKY BRIDGE

RECTIFIER DIODE

BRIDGE RECTIFIER

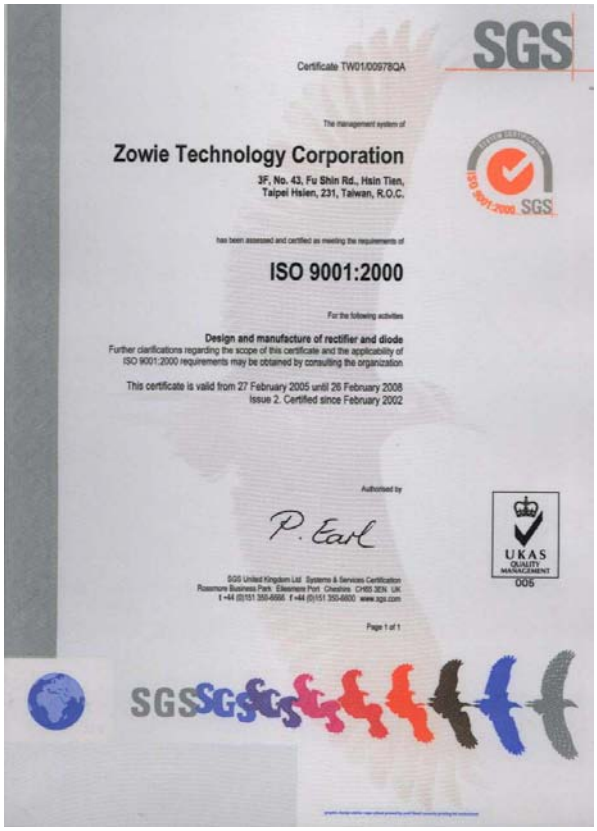
SWITCHING DIODE

ZENER DIODE

TRANSISTOR

TVS

ISO 9001:2000 / ISO 14001 / TS 16949



Certificate TW01/00978QA

The management system of

Zowie Technology Corporation

3F, No. 43, Fu Shin Rd., Hsin Tien,
Taipei Hsien, 231, Taiwan, R.O.C.

has been assessed and certified as meeting the requirements of

ISO 9001:2000

For the following activities

Design and manufacture of rectifier and diode

Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2000 requirements may be obtained by consulting the organization

This certificate is valid from 27 February 2005 until 26 February 2008
Issue 2. Certified since February 2002

Authorised by

P. Earl

SGS United Kingdom Ltd Systems & Services Certification
Rossmore Business Park Ellesmere Port Cheshire CH65 3EN UK
t +44 (0)151 350-6666 f +44 (0)151 350-6600 www.sgs.com

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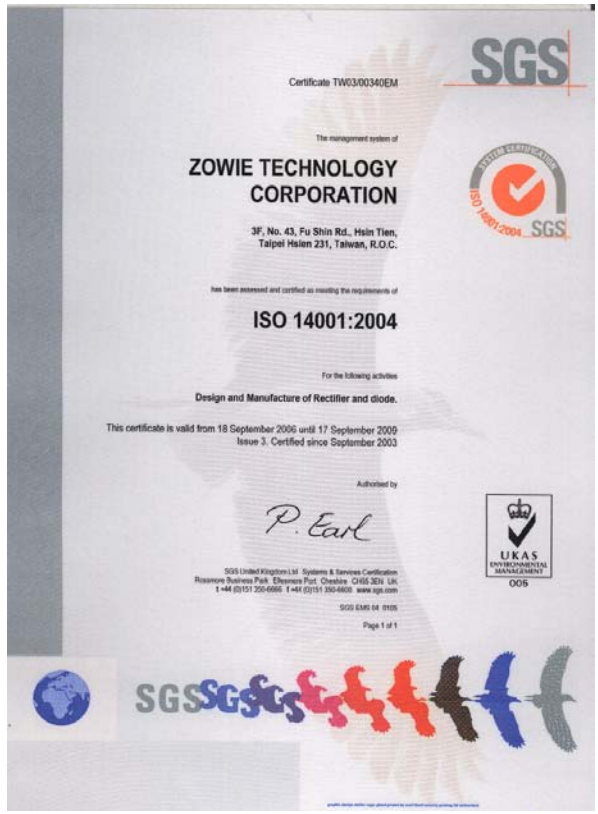

Certificate TW03/00340EM

The management system of

ZOWIE TECHNOLOGY CORPORATION

3F, No. 43, Fu Shin Rd., Hsin Tien,
Taipei Hsien 231, Taiwan, R.O.C.

has been assessed and certified as meeting the requirements of

ISO 14001:2004

For the following activities

Design and Manufacture of Rectifier and diode.

This certificate is valid from 18 September 2006 until 17 September 2009
Issue 3. Certified since September 2003

Authorised by

P. Earl

SGS United Kingdom Ltd Systems & Services Certification
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SGS EMS 04 0105

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Certificate IATF 0077309
Certificate SGS CN09/20181

The management system of

ZOWIE Electronics (Kunshan) Co., Ltd.

No. 162 Nanbang Road, Economic & Technical Development Zone,
Kunshan City, Jiangsu Province, P. R . China

has been assessed and certified as meeting the requirements of

ISO/TS 16949:2002

For the following activities

Design & manufacture of diodes used in automotive electronics

This certificate is valid from 16 January 2009 until 15 January 2012
and remains valid subject to satisfactory surveillance audits.
Re certification audit due before 10 December 2011
Issue no.01 / Certified Since 16 January 2009
SGS Ref # CN09/20181

Authorised by

Veto Power Authority

Contracted Office:SGS UK Ltd 8 Bridgend Business Centre, Bennett Steel, Bridgend Industrial Estate
Bridgend CF31 3SH, Telephone 01656.648494, Fax 01656.647837, E-mail jim.weaver@sgs.com

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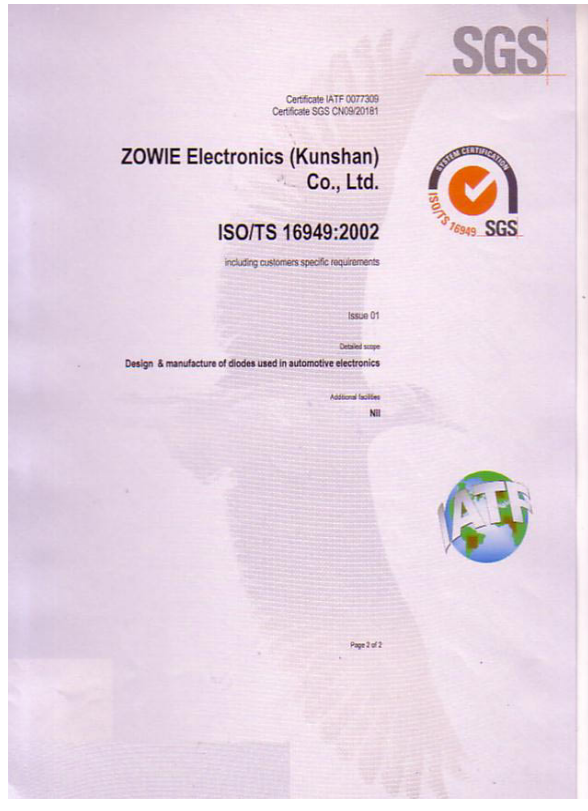

Certificate IATF 0077309
Certificate SGS CN09/20181

ZOWIE Electronics (Kunshan) Co., Ltd.

ISO/TS 16949:2002

including customers specific requirements

Issue 01

Detailed scope

Design & manufacture of diodes used in automotive electronics

Additional facilities

Nil

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INTRODUCTION

Zowie Technology Corporation founded in 1994 is a leading designer and manufacturer of advanced discrete semiconductor products. The inaugurators, Ding-Hua Hu and George Tai are the well-known leaders in the semiconductor field in Taiwan. Since there is no new significant progress in diode products for more than 20 years they decided to endeavor their efforts to this industry with innovation and futurity. So they established Zowie Technology Corporation to develop new technology in order to supply better and new diodes for the industrial. The leaders, George Tai who has about thirty years experience in the rectifier engineering field and Harrison Chung who is expert on I.C. package technology and fine ceramic materials, lead a team of professional researchers to improve the traditional diodes. It is Zowie's goal to develop "the New Generation Diodes". Zowie's technological experts put 4 years efforts in researching and developing the new products. Finally, Zowie succeed. The new product-GPRC (Glass Passivated Rectifier Chip) successfully went through the first tryout in 1995 and then it officially marketed in 1998. At the same time, the new package technology-SCD (SuperChip Diode), the very first chip package diode of the world, was available in Q2, 2001.

All the products of Zowie are the world's first leading technology through its own newly constructive design, manufacturing and superior materials. Up to now, Zowie has received numerous worldwide patents, including Taiwan, the U.S.A., Mainland China, the U.K. and Japan.

中小企業創新研究獎證書

CERTIFICATE OF SMALL AND MEDIUM ENTERPRISE INNOVATION RESEARCH AWARD

智威科技股份有限公司

長期從事創新研究，以玻璃纖維強化基板積層構裝蕭特基整流二極體申請中小企業發展基金第 十 屆創新研究獎，經評審通過，特頒此證，以資鼓勵。

This is to certify that Zowie Technology Corporation has won the 10 th Small and Medium Enterprise Innovation Research Award for its Schottky Chip Diode

經濟部部長 林義夫

Minister of Economic Affairs
Republic of China

中華民國 92 年 9 月 5 日

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QUICK REFERENCE TABLE
SCHOTTKY BARRIER RECTIFIERS

Halogen-free *Patented With Superchip Technology*

I_O (A)	V_{RM} (V)	0402-S NSCD SOD-923	0402 VSCD SOD-723	0603 USCD SOD-523	0805 MSCD SOD-323	1206-S SSCD SOD-123	1206 SSCD SOD-123	2010 SCD DO-214AC(SMA)	2114 BSCD DO-214AA(SMB)	3220 CSCD DO-214AB(SMC)
0.1	20			USCD012H	MSCD012H					
	40		VSCD014H	USCD014H	MSCD014H MSCD014RH					
0.2	20			USCD022H	MSCD022H					
	40	NSCD024H	VSCD024H	USCD024H USCD024RH USCD024TH	MSCD024H					
0.3	20			USCD032H	MSCD032H					
	40			USCD034H USCD034RH	MSCD034H					
0.5	20				MSCD052H	SSCD052SH	SSCD052H			
	30				MSCD053H					
	40				MSCD054H	SSCD054SH	SSCD054H			
1.0	20				MSCD102H MSCD102LH	SSCD102SH SSCD102LSH	SSCD102H SSCD102LH	SCD5817H SCD12H SCD12LH		
	30					SSCD103PSH *		SCD5818H SCD13PH *		
	40				MSCD104H MSCD104LH	SSCD104SH SSCD104TSH SSCD104LSH	SSCD104H SSCD104LH	SCD5819H SCD14H SCD14LH SCD14RH		
	60				MSCD106H	SSCD106SH	SSCD106H	SCD16H		
	100					SSCD110SH	SSCD110H	SCD110H		
2.0	20					SSCD202SH	SSCD202H SSCD202LH	SCD22H SCD22LH		
	30					SSCD203PSH *		SCD23PH *		
	40					SSCD204SH	SSCD204H SSCD204LH	SCD24H SCD24LH		
	60					SSCD206SH	SSCD206H	SCD26H		
	100					SSCD210SH	SSCD210H	SCD210H		
3.0	20							SCD32H SCD32LH	BSCD32H	CSCD32H
	30							SCD33PH *		
	40					SSCD304SH		SCD34H SCD34LH	BSCD34H	CSCD34H
	60							SCD36H	BSCD36H	CSCD36H
	100							SCD310H	BSCD310H	CSCD310H
5.0	20								BSCD52H	CSCD52H
	30							SCD53H		
	40								BSCD54H	CSCD54H
	60								BSCD56H	CSCD56H
	100								BSCD510H	CSCD510H

NOTE : " * " The Objective Specification for Product Development.
Suffix " L " for Low V_F, " S " for Thin Flat Package, " R " for Low I_R, " T " for Special Spec.

0402-S

0402

0603

0805

1206-S 

1206 

2010 

2114 

3220 

QUICK REFERENCE TABLE
SCHOTTKY BARRIER RECTIFIERS

I_O (A)	V_{RM} (V)	DO-214AC SMA	DO-214AA SMB	DO-214AB SMC	DO-204AL DO-41	DO-201AD DO-27
1.0	20	SS12 SS12H			1N5817 1N5817H SB120 SB120H	
	30				1N5818 1N5818H	
	40	SS14 SS14H			1N5819 1N5819H SB140 SB140H	
	60	SS16 SS16H			SB160 SB160H	
	100	SS110 SS110H			SB1100 SB1100H	
2.0	20	SS22 SS22H			SB220 SB220H	
	40	SS24 SS24H			SB240 SB240H	
	60	SS26 SS26H			SB260 SB260H	
	100	SS210 SS210H			SB2100 SB2100H	
3.0	20		SS32 SS32H	SC32 SC32H		1N5820 1N5820H SB320 SB320H
	30					1N5821 1N5821H
	40		SS34 SS34H	SC34 SC34H		1N5822 1N5822H SB340 SB340H
	60		SS36 SS36H	SC36 SC36H		SB360 SB360H
	100		SS3100 SS3100H	SC310 SC310H		SB3100 SB3100H
5.0	20			SC52 SC52H		SB520 SB520H
	40			SC54 SC54H		SB540 SB540H
	60			SC56 SC56H		SB560 SB560H
	100			SC510 SC510H		SB5100 SB5100H
8.0	40					SB840 SB840H
	60					SB860 SB860H

NOTE : Suffix " H " for Halogen-free Type.

DO-214AC(SMA)

DO-214AA(SMB)

DO-214AB(SMC)

DO-204AL(DO-41)

DO-2010AD(DO-27)

QUICK REFERENCE TABLE
SCHOTTKY BRIDGE RECTIFIERS

Halogen-free *Patented With Superchip Technology*

Io (A)	VRM (V)	Schottky Bridge MBCM	Schottky Bridge MBC
1.0	40	SMBCM104LH *	SMBC104H
	60		SMBC106H
	100		SMBC110H
2.0	40		SMBC204H
	60		SMBC206H
	100		SMBC210H

NOTE : " * " The Obiective Specification for Product Development.

MBCM

MBC

QUICK REFERENCE TABLE
SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

Halogen-free *Patented With Superexll Superchip Technology*

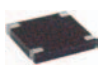
Io (A)	VRM (V)	Mini Bridge MBC	Mini Bridge MBCR	Mini Bridge MBCS
0.8	600	MBC08JH		
	800	MBC08KH		
	1000	MBC08MH		
1.0	600		MBCR10JH MBCR10JLH	
	800		MBCR10KH MBCR10KLH	
	1000		MBCR10MH MBCR10MLH	
2.0	600		MBCR20JLH *	MBCS20JH **
	800		MBCR20KLH *	MBCS20KH **
	1000		MBCR20MLH *	MBCS20MH **
4.0	600			MBCS40JH **
	800			MBCS40KH **
	1000			MBCS40MH **

NOTE : " ** " The Obiective Specification for Product Development.
" * " The Preliminary Specification.
Suffix " L " for Low VF

MBC

MBCR

MBCS



QUICK REFERENCE TABLE
SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

I_O (A)	V_{RM} (V)	DFM	DFS	GBP	KBL	GBL	GBL-L	KBJ	GBU	GBJ	GBPC GBPCW
1.0	200	DF02 DF02H	DF02S DF02SH								
	400	DF04 DF04H	DF04S DF04SH								
	600	DF06 DF06H	DF06S DF06SH								
	800	DF08 DF08H	DF08S DF08SH								
	1000	DF10 DF10H	DF10S DF10SH								
1.5	200	DF1502 DF1502H	DF1502S DF1502SH								
	400	DF1504 DF1504H	DF1504S DF1504SH								
	600	DF1506 DF1506H	DF1506S DF1506SH								
	800	DF1508 DF1508H	DF1508S DF1508SH								
	1000	DF1510 DF1510H	DF1510S DF1510SH								
2.0	200			GBP202 GBP202H							
	400			GBP204 GBP204H							
	600			GBP206 GBP206H							
	800			GBP208 GBP208H							
	1000			GBP210 GBP210H							
4.0	200				KBL02 KBL02H	GBL02 GBL02H	GBL02L * GBL02LH *	KBJ4D KBJ4DH	GBU402 GBU402H		
	400				KBL04 KBL04H	GBL04 GBL04H	GBL04L * GBL04LH *	KBJ4G KBJ4GH	GBU404 GBU404H		
	600				KBL06 KBL06H	GBL06 GBL06H	GBL06L * GBL06LH *	KBJ4J KBJ4JH	GBU406 GBU406H		
	800				KBL08 KBL08H	GBL08 GBL08H		KBJ4K KBJ4KH	GBU408 GBU408H		
	1000				KBL10 KBL10H	GBL10 GBL10H		KBJ4M KBJ4MH	GBU410 GBU410H		
6.0	200							KBJ6D KBJ6DH	GBU602 GBU602H		
	400							KBJ6G KBJ6GH	GBU604 GBU604H		
	600							KBJ6J KBJ6JH	GBU606 GBU606H		
	800							KBJ6K KBJ6KH	GBU608 GBU608H		
	1000							KBJ6M KBJ6MH	GBU610 GBU610H		

NOTE : " * " The Preliminary Specification.
Suffix " L " for Low V_F, " H " for Halogen-free Type.

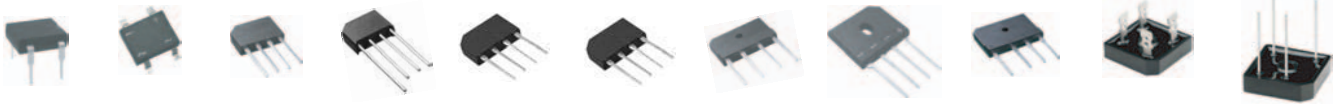
DFM **DFS** **GBP** **KBL** **GBL** **GBL-L** **KBJ** **GBU** **GBJ** **GBPC** **GBPC-W**

QUICK REFERENCE TABLE
SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

I_O (A)	V_{RM} (V)	DFM	DFS	GBP	KBL	GBL	GBL-L	KBJ	GBU	GBJ	GBPC GBPCW
8.0	200								GBU802 GBU802H	GBJ8D GBJ8DH	
	400								GBU804 GBU804H	GBJ8G GBJ8GH	
	600								GBU806 GBU806H	GBJ8J GBJ8JH	
	800								GBU808 GBU808H	GBJ8K GBJ8KH	
	1000								GBU810 GBU810H	GBJ8M GBJ8MH	
10	200								GBU1002 GBU1002H	GBJ10D GBJ10DH	
	400								GBU1004 GBU1004H	GBJ10G GBJ10GH	
	600								GBU1006 GBU1006H	GBJ10J GBJ10JH	
	800								GBU1008 GBU1008H	GBJ10K GBJ10KH	
	1000								GBU1010 GBU1010H	GBJ10M GBJ10MH	
15	200								GBU1502 GBU1502H	GBJ15D GBJ15DH	
	400								GBU1504 GBU1504H	GBJ15G GBJ15GH	
	600								GBU1506 GBU1506H	GBJ15J GBJ15JH	
	800								GBU1508 GBU1508H	GBJ15K GBJ15KH	
	1000								GBU1510 GBU1510H	GBJ15M GBJ15MH	
20	200									GBJ20D GBJ20DH	
	400									GBJ20G GBJ20GH	
	600									GBJ20J GBJ20JH	
	800									GBJ20K GBJ20KH	
	1000									GBJ20M GBJ20MH	
25	200									GBJ25D GBJ25DH	GBPC2502 GBPC2502W
	400									GBJ25G GBJ25GH	GBPC2504 GBPC2504W
	600									GBJ25J GBJ25JH	GBPC2506 GBPC2506W
	800									GBJ25K GBJ25KH	GBPC2508 GBPC2508W
	1000									GBJ25M GBJ25MH	GBPC2510 GBPC2510W
35	200										GBPC3502 GBPC3502W
	400										GBPC3504 GBPC3504W
	600										GBPC3506 GBPC3506W
	800										GBPC3508 GBPC3508W
	1000										GBPC3510 GBPC3510W

NOTE : Suffix " L " for Low V_F, " H " for Halogen-free Type.

DFM **DFS** **GBP** **KBL** **GBL** **GBL-L** **KBJ** **GBU** **GBJ** **GBPC** **GBPC-W**

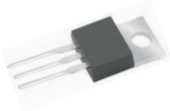


QUICK REFERENCE TABLE
SCHOTTKY BARRIER RECTIFIERS

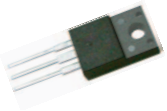
I_O (A)	V_{RM} (V)	TO-220AB	ITO-220AB
10	40	SBL1040CT SBL1040CTH	SBL1040CF SBL1040CFH
	45	SBL1045CT SBL1045CTH	SBL1045CF SBL1045CFH
	60	SBL1060CT SBL1060CTH	SBL1060CF SBL1060CFH
	100	MBR10100CT MBR10100CTH	MBR10100CF MBR10100CFH
	150	MBR10150CT MBR10150CTH	MBR10150CF MBR10150CFH
	200	MBR10200CT MBR10200CTH	MBR10200CF MBR10200CFH
20	40	SBL2040CT SBL2040CTH	SBL2040CF SBL2040CFH
	45	SBL2045CT SBL2045CTH	SBL2045CF SBL2045CFH
	60	SBL2060CT SBL2060CTH	SBL2060CF SBL2060CFH
	100	MBR20100CT MBR20100CTH	MBR20100CF MBR20100CFH
	150	MBR20150CT MBR20150CTH	MBR20150CF MBR20150CFH
	200	MBR20200CT MBR20200CTH	MBR20200CF MBR20200CFH
30	40	SBL3040CT SBL3040CTH	SBL3040CF SBL3040CFH
	45	SBL3045CT SBL3045CTH	SBL3045CF SBL3045CFH
	60	SBL3060CT SBL3060CTH	SBL3060CF SBL3060CFH
	100	MBR30100CT MBR30100CTH	MBR30100CF MBR30100CFH
	150	MBR30150CT MBR30150CTH	MBR30150CF MBR30150CFH
	200	MBR30200CT MBR30200CTH	MBR30200CF MBR30200CFH

NOTE : Suffix " H " for Halogen-free Type.

TO-220AB



ITO-220AB



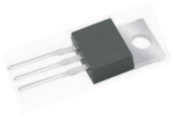
QUICK REFERENCE TABLE
SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENT RECTIFIERS

Patented With Superexll Technology

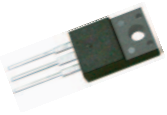
I_O (A)	V_{RM} (V)	T_{RR} (nS)	TO-220AB	ITO-220AB
10	200	50	EGZ10DCT EGZ10DCTH	EGZ10DCF EGZ10DCFH
	400	50	EGZ10GCT EGZ10GCTH	EGZ10GCF EGZ10GCFH
	600	75	EGZ10JCT EGZ10JCTH	EGZ10JCF EGZ10JCFH
12	200	50	EGZ12DCT EGZ12DCTH	EGZ12DCF EGZ12DCFH
	400	50	EGZ12GCT EGZ12GCTH	EGZ12GCF EGZ12GCFH
	600	75	EGZ12JCT EGZ12JCTH	EGZ12JCF EGZ12JCFH
16	200	50	EGZ16DCT EGZ16DCTH	EGZ16DCF EGZ16DCFH
	400	50	EGZ16GCT EGZ16GCTH	EGZ16GCF EGZ16GCFH
	600	75	EGZ16JCT EGZ16JCTH	EGZ16JCF EGZ16JCFH
20	200	50	EGZ20DCT EGZ20DCTH	EGZ20DCF EGZ20DCFH
	400	50	EGZ20GCT EGZ20GCTH	EGZ20GCF EGZ20GCFH
	600	75	EGZ20JCT EGZ20JCTH	EGZ20JCF EGZ20JCFH

NOTE : Suffix " H " for Halogen-free Type.

TO-220AB



ITO-220AB



QUICK REFERENCE TABLE
SINTERED GLASS PASSIVATED JUNCTION ULTRAFAST EFFICIENT RECTIFIERS

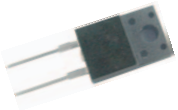
Patented With Superexll Technology

I_O (A)	V_{RM} (V)	T_{RR} (nS)	TO-220AC	ITO-220AC	TO-220AB	ITO-220AB
6.0	200	35	UGZ6DT UGZ6DTH	UGZ6DF UGZ6DFH		
	400	35	UGZ6GT UGZ6GTH	UGZ6GF UGZ6GFH		
	600	35	UGZ6JT UGZ6JTH	UGZ6JF UGZ6JFH		
8.0	200	35	UGZ8DT UGZ8DTH	UGZ8DF UGZ8DFH		
	400	35	UGZ8GT UGZ8GTH	UGZ8GF UGZ8GFH		
	600	35	UGZ8JT UGZ8JTH	UGZ8JF UGZ8JFH		
10	200	35	UGZ10DT UGZ10DTH	UGZ10DF UGZ10DFH	UGZ10DCT UGZ10DCTH	UGZ10DCF UGZ10DCFH
	400	35	UGZ10GT UGZ10GTH	UGZ10GF UGZ10GFH	UGZ10GCT UGZ10GCTH	UGZ10GCF UGZ10GCFH
	600	35	UGZ10JT UGZ10JTH	UGZ10JF UGZ10JFH	UGZ10JCT UGZ10JCTH	UGZ10JCF UGZ10JCFH
16	200	35			UGZ16DCT UGZ16DCTH	UGZ16DCF UGZ16DCFH
	400	35			UGZ16GCT UGZ16GCTH	UGZ16GCF UGZ16GCFH
	600	35			UGZ16JCT UGZ16JCTH	UGZ16JCF UGZ16JCFH
20	200	35			UGZ20DCT UGZ20DCTH	UGZ20DCF UGZ20DCFH
	400	35			UGZ20GCT UGZ20GCTH	UGZ20GCF UGZ20GCFH
	600	35			UGZ20JCT UGZ20JCTH	UGZ20JCF UGZ20JCFH

NOTE : Suffix " H " for Halogen-free Type.

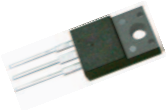
TO-220AC

ITO-220AC



TO-220AB

ITO-220AB



QUICK REFERENCE TABLE
SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS-LOW VF SERIES

Patented With Superexll Superchip Technology

Io (A)	VRM (V)	1206-S SGC SOD-123	1206 BYD SOD-123	2010 GC DO-214AC/SMA	2114 BGC DO-214AA/SMB	DO-214AC SMA	DO-214AA SMB	R-1	DO-204AL DO-41	DO-204AC DO-15	DO-201AD DO-27
1.0	200	SGC10DLH	BYD17ZDLH	GC10DLH		GF10DL GF10DLH		G110DL	GP10DL GP10DLH		
	400	SGC10GLH	BYD17ZGLH	GC10GLH		GF10GL GF10GLH		G110GL	GP10GL GP10GLH		
	600	SGC10JLH	BYD17ZJLH	GC10JLH		GF10JL GF10JLH		G110JL	GP10JL GP10JLH		
	800	SGC10KLH	BYD17ZKLH	GC10KLH		GF10KL GF10KLH		G110KL	GP10KL GP10KLH		
	1000	SGC10MLH	BYD17ZMLH	GC10MLH		GF10ML GF10MLH		G110ML	GP10ML GP10MLH		
2.0	200			GC20DLH	BGC20DLH		GF20DL GF20DLH			GP20DL GP20DLH	
	400			GC20GLH	BGC20GLH		GF20GL GF20GLH			GP20GL GP20GLH	
	600			GC20JLH	BGC20JLH		GF20JL GF20JLH			GP20JL GP20JLH	
	800			GC20KLH	BGC20KLH		GF20KL GF20KLH			GP20KL GP20KLH	
	1000			GC20MLH	BGC20MLH		GF20ML GF20MLH			GP20ML GP20MLH	
3.0	200				BGC30DLH		GF30DL GF30DLH				GP30DL GP30DLH
	400				BGC30GLH		GF30GL GF30GLH				GP30GL GP30GLH
	600				BGC30JLH		GF30JL GF30JLH				GP30JL GP30JLH
	800				BGC30KLH		GF30KL GF30KLH				GP30KL GP30KLH
	1000				BGC30MLH		GF30ML GF30MLH				GP30ML GP30MLH

NOTE : Suffix " L " for Low VF, " H " for Halogen-free Type.

1206-S

1206

2010

2114

DO-214AC(SMA)

DO-214AA(SMB)

R-1

DO-204AL(DO-41)

DO-204AC(DO-15)

DO-201AD(DO-27)

QUICK REFERENCE TABLE
SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

Patented With Superexll Superchip Technology

Io (A)	VRM (V)	DO-213AA Mini Melf	1206-S SGC SOD-123	1206 BYD SOD-123	2010 GC DO-214AC/SMA	2114 BGC D0-214AA(SMB)	DO-214AC SMA	DO-214AA SMB	R-1	DO-204AL DO-41	DO-204AC DO-15	DO-201AD DO-27
1.0	200	LL4003 LL4003GH	SGC10DH	BYD17ZDH	GC10DH		GF10D GF10DH		G110D	GP10D GP10DH		
	400	LL4004 LL4004GH	SGC10GH	BYD17ZGH	GC10GH		GF10G GF10GH		G110G	GP10G GP10GH		
	600	LL4005 LL4005GH	SGC10JH	BYD17ZJH	GC10JH		GF10J GF10JH		G110J	GP10J GP10JH		
	800	LL4006 LL4006GH	SGC10KH	BYD17ZKH	GC10KH		GF10K GF10KH		G110K	GP10K GP10KH		
	1000	LL4007 LL4007GH	SGC10MH	BYD17ZMH	GC10MH		GF10M GF10MH		G110M	GP10M GP10MH		
	1200						GF10Q GF10QH			GP10Q GP10QH		
	1400									GP10V GP10VH		
	1600						GF10Y GF10YH			GP10Y GP10YH		
	2000						GF02-20 GF02-20H			GP02-20 GP02-20H		
2.0	200				GC20DH	BGC20DH		GF20D GF20DH			GP20D GP20DH	
	400				GC20GH	BGC20GH		GF20G GF20GH			GP20G GP20GH	
	600				GC20JH	BGC20JH		GF20J GF20JH			GP20J GP20JH	
	800				GC20KH	BGC20KH		GF20K GF20KH			GP20K GP20KH	
	1000				GC20MH	BGC20MH		GF20M GF20MH			GP20M GP20MH	
3.0	200					BGC30DH		GF30D GF30DH				GP30D GP30DH
	400					BGC30GH		GF30G GF30GH				GP30G GP30GH
	600					BGC30JH		GF30J GF30JH				GP30J GP30JH
	800					BGC30KH		GF30K GF30KH				GP30K GP30KH
	1000					BGC30MH		GF30M GF30MH				GP30M GP30MH

NOTE : Suffix " H " for Halogen-free Type.

DO-213AA

1206-S

1206

2010

2114

DO-214AC(SMA)

DO-214AA(SMB)

R-1

DO-204AL(DO-41)

DO-204AC(DO-15)

DO-201AD(DO-27)

QUICK REFERENCE TABLE
SINTERED GLASS PASSIVATED JUNCTION FAST RECOVERY RECTIFIERS

Patented With Superexll Superchip Technology

Io (A)	VRM (V)	TRR (nS)	1206-S SRGC SOD-123	1206 BYD SOD-123	2010 RGC DO-214AC/SMA	DO-214AC SMA	DO-214AA SMB	R-1	DO-204AL DO-41	DO-204AC DO-15	DO-201AD DO-27
1.0	200	150	SRGC10DH		RGC10DH	RGF10D RGF10DH		RG110D	RGP10D RGP10DH		
		250		BYD37ZDH							
	400	150	SRGC10GH		RGC10GH	RGF10G RGF10GH		RG110G	RGP10G RGP10GH		
		250		BYD37ZGH							
	600	150				RGF10JA RGF10JAH			RGP10JA RGP10JAH		
		250	SRGC10JH	BYD37ZJH	RGC10JH	RGF10J RGF10JH		RG110J	RGP10J RGP10JH		
	800	300	SRGC10KH	BYD37ZKH	RGC10KH	RGF10KA RGF10KAH			RGP10KA RGP10KAH		
		500				RGF10K RGF10KH		RG110K	RGP10K RGP10KH		
	1000	300		BYD37ZMH		RGF10MA RGF10MAH			RGP10MA RGP10MAH		
		500	SRGC10MH		RGC10MH	RGF10M RGF10MH		RG110M	RGP10M RGP10MH		
	1200	300							RGP02-12 RGP02-12H		
	1500	300							RGP02-15 RGP02-15H		
	1800	300							RGP02-18 RGP02-18H		
	2000	300							RGP02-20 RGP02-20H		
2.0	200	150			RGC20DH		RGF20D RGF20DH			RGP20D RGP20DH	
	400	150			RGC20GH		RGF20G RGF20GH			RGP20G RGP20GH	
	600	150					RGF20JA RGF20JAH			RGP20JA RGP20JAH	
		250			RGC20JH		RGF20J RGF20JH			RGP20J RGP20JH	
	800	300			RGC20KH		RGF20KA RGF20KAH			RGP20KA RGP20KAH	
		500					RGF20K RGF20KH			RGP20K RGP20KH	
	1000	300					RGF20MA RGF20MAH			RGP20MA RGP20MAH	
		500			RGC20MH		RGF20M RGF20MH			RGP20M RGP20MH	
3.0	200	150					RGF30D RGF30DH				RGP30D RGP30DH
	400	150					RGF30G RGF30GH				RGP30G RGP30GH
	600	150					RGF30JA RGF30JAH				RGP30JA RGP30JAH
		250					RGF30J RGF30JH				RGP30J RGP30JH
	800	300					RGF30KA RGF30KAH				RGP30KA RGP30KAH
		500					RGF30K RGF30KH				RGP30K RGP30KH
	1000	300					RGF30MA RGF30MAH				RGP30MA RGP30MAH
		500					RGF30M RGF30MH				RGP30M RGP30MH

NOTE : Suffix " H " for Halogen-free Type.

QUICK REFERENCE TABLE
SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENT RECTIFIERS

Patented With Superexll Superchip Technology

Io (A)	VRM (V)	TRR (nS)	1206-S SEGC SOD-123	1206 BYD SOD-123	2010 EGC DO-214AC/SMA	DO-214AC SMA	DO-214AA SMB	R-1	DO-204AL DO-41	DO-204AC DO-15	DO-201AD DO-27	P-600
1.0	200	50	SEGC10DH	BYD57ZDH	EGC10DH	EGF10D EGF10DH		EG110D	EGP10D EGP10DH			
	400	50	SEGC10GH	BYD57ZGH	EGC10GH	EGF10G EGF10GH		EG110G	EGP10G EGP10GH			
	600	50		BYD57ZJH								
		75	SEGC10JH		EGC10JH	EGF10J EGF10JH		EG110J	EGP10J EGP10JH			
	800	75	SEGC10KH	BYD57ZKH	EGC10KH	EGF10K EGF10KH		EG110K	EGP10K EGP10KH			
	1000	75	SEGC10MH	BYD57ZMH	EGC10MH	EGF10M EGF10MH		EG110M	EGP10M EGP10MH			
2.0	200	50			EGC20DH		EGF20D EGF20DH			EGP20D EGP20DH		
	400	50			EGC20GH		EGF20G EGF20GH			EGP20G EGP20GH		
	600	75			EGC20JH		EGF20J EGF20JH			EGP20J EGP20JH		
	800	75			EGC20KH		EGF20K EGF20KH			EGP20K EGP20KH		
	1000	75			EGC20MH		EGF20M EGF20MH			EGP20M EGP20MH		
3.0	200	50					EGF30D EGF30DH				EGP30D EGP30DH	
	400	50					EGF30G EGF30EH				EGP30G EGP30GH	
	600	75					EGF30J EGF30JH				EGP30J EGP30JH	
	800	75					EGF30K EGF30KH				EGP30K EGP30KH	
	1000	75					EGF30M EGF30MH				EGP30M EGP30MH	
5.0	200	50									EGP50D EGP50DH	
	400	50									EGP50G EGP50GH	
10	200	60										EGP100D EGP100DH

NOTE : Suffix " H " for Halogen-free Type.

1206-S

1206

2010

DO-214AC(SMA)

DO-214AA(SMB)

R-1

DO-204AL(DO-41)

DO-204AC(DO-15)

DO-201AD(DO-27)

P-600

QUICK REFERENCE TABLE
SINTERED GLASS PASSIVATED JUNCTION ULTRAFAST EFFICIENT RECTIFIERS

Patented With Superexll Superchip Technology

Io (A)	VRM (V)	TRR (nS)	1206-S SUGC SOD-123	1206 BYD SOD-123	2010 UGC DO-214AC/SMA	DO-214AC SMA	DO-214AA SMB	R-1	DO-204AL DO-41	DO-204AC DO-15	DO-201AD DO-27
1.0	200	35	SUGC10DH	BYD127ZH	UGC10DH	UGF10D UGF10DH		UG110D	UGP10D UGP10DH		
		50		BYD77ZDH							
	400	35	SUGC10GH	BYD147ZH	UGC10GH	UGF10G UGF10GH		UG110G	UGP10G UGP10GH		
		50		BYD77ZGH							
	600	35	SUGC10JH	BYD167ZH	UGC10JH	UGF10J UGF10JH		UG110J	UGP10J UGP10JH		
	800	35	SUGC10KH	BYD187ZH	UGC10KH	UGF10K UGF10KH		UG110K	UGP10K UGP10KH		
2.0	200	35			UGC20DH		UGF20D UGF20DH			UGP20D UGP20DH	
	400	35			UGC20GH		UGF20G UGF20GH			UGP20G UGP20GH	
	600	35			UGC20JH		UGF20J UGF20JH			UGP20J UGP20JH	
	800	35			UGC20KH		UGF20K UGF20KH			UGP20K UGP20KH	
3.0	200	35					UGF30D UGF30DH				UGP30D UGP30DH
	400	35					UGF30G UGF30GH				UGP30G UGP30GH
	600	35					UGF30J UGF30JH				UGP30J UGP30JH
	800	35					UGF30K UGF30KH				UGP30K UGP30KH
4.0	200	50									MUR420 MUR420H
	400	50									MUR460 MUR460H
5.0	200	35									UGP50D UGP50DH
	400	35									UGP50G UGP50GH
	600	35									UGP50J UGP50JH

NOTE : Suffix " H " for Halogen-free Type.

1206-S

1206

2010

DO-214AC(SMA)

DO-214AA(SMB)

R-1

DO-204AL(DO-41)

DO-204AC(DO-15)

DO-201AD(DO-27)

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C TA	Max. Forward Voltage @ 25°C TA		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	mA	A	V	

0.1 AMPERE / 0402 (Equivalent to SOD-723) / Halogen-free
Superchip **PATENTED**

VSCD014H	40	0.1	0.5	* 0.0005	0.01	0.35	◂

NOTE : " * " At 10 V Reverse Voltage.

0.1 AMPERE / 0603 (Equivalent to SOD-523) / Halogen-free
Superchip **PATENTED**

USCD012H	20	0.1	2.0	0.05	0.1	0.40	2F.
USCD014H	40	0.1	2.0	0.05	0.1	0.40	4F.

0.1 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free
Superchip **PATENTED**

MSCD012H	20	0.1	2.0	0.03	0.1	0.45	L2.
MSCD014H	40	0.1	2.0	0.03	0.1	0.50	L4.
MSCD014RH	40	0.1	0.5	0.0005	0.001	0.35	L41.

NOTE :Suffix " R " for low IR type.

NEW

0.2 AMPERE / 0402-S (Equivalent to SOD-923) / Halogen-free
Superchip **PATENTED**

NSCD024H	40	0.2	0.5	* 0.0005	0.10	0.50	◂

NOTE : " * " At 10 V Reverse Voltage

0.2 AMPERE / 0402 (Equivalent to SOD-723) / Halogen-free
Superchip **PATENTED**

VSCD024H	40	0.2	0.5	* 0.0015	0.01	0.35	⊢

NOTE : " * " At 10 V Reverse Voltage

0.2 AMPERE / 0603 (Equivalent to SOD-523) / Halogen-free
Superchip **PATENTED**

USCD022H	20	0.2	2.0	0.05	0.2	0.45	2D.
USCD024H	40	0.2	2.0	0.05	0.2	0.45	4D.
USCD024RH	40	0.2	2.0	0.001	0.2	0.45	4D1.
USCD024TH	40	0.2	2.0	0.0005	0.2	0.65	4T.

NOTE : Suffix " R " for low IR type, " T " for Special spec.

0.2 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free
Superchip **PATENTED**

MSCD022H	20	0.2	2.0	* 0.005	0.2	0.45	D2.
MSCD024H	40	0.2	2.0	0.05	0.2	0.50	D4.

NOTE : " * " At 3 V Reverse Voltage.

0.3 AMPERE / 0603 (Equivalent to SOD-523) / Halogen-free
Superchip **PATENTED**

USCD032H	20	0.3	2.0	0.05	0.3	0.50	2C.
USCD034H	40	0.3	2.0	0.05	0.3	0.50	4C.
USCD034RH	40	0.3	2.0	0.001	0.001	0.37	4C1.

NOTE : Suffix " R " for low IR type.

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	mA	A	V	

0.3 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free
Superchip

PATENTED

MSCD032H	20	0.3	2.0	0.05	0.3	0.50	C2.
MSCD034H	40	0.3	2.0	0.05	0.3	0.50	C4.

0.5 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free
Superchip

PATENTED

MSCD052H	20	0.5	5.0	0.10	0.5	0.44	B2.
MSCD053H	30	0.5	5.0	0.10	0.5	0.46	B3.
MSCD054H	40	0.5	5.0	0.10	0.5	0.48	B4.

0.5 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free
Superchip

PATENTED

SSCD052SH	20	0.5	15	0.02	0.5	0.42	B2S.
SSCD054SH	40	0.5	15	0.02	0.5	0.48	B4S.

NOTE : Suffix " S " for thin flat package.

0.5 AMPERE / 1206 (Equivalent to SOD-123) / Halogen-free
Superchip

PATENTED

SSCD052H	20	0.5	15	0.02	0.5	0.42	B2.
SSCD054H	40	0.5	15	0.02	0.5	0.48	B4.

1.0 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free
Superchip

PATENTED

MSCD102H	20	1.0	10	0.2	1.0	0.45	A2.
MSCD104H	40	1.0	10	0.2	1.0	0.50	A4.
MSCD106H	60	1.0	10	0.2	1.0	0.65	A6.

Low VF

1.0 AMPERE / 0805 (Equivalent to SOD-323) / Halogen-free
Superchip

PATENTED

MSCD102LH	20	1.0	10	1.0	1.0	0.38	A2L.
MSCD104LH	40	1.0	10	1.0	1.0	0.38	A4L.

1.0 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free
Superchip

PATENTED

SSCD102SH	20	1.0	20	0.2	1.0	0.50	A2S.
SSCD104SH	40	1.0	20	0.2	1.0	0.50	A4S.
SSCD104TSH	40	1.0	25	0.2	1.0	0.45	A4TS.
SSCD106SH	60	1.0	20	0.2	1.0	0.70	A6S.
SSCD110SH	100	1.0	20	0.2	1.0	0.85	A10S.

NOTE : Suffix " T " for Special spec., " S " for thin flat package.

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	mA	A	V	

NEW **Low VF/Low IR**

1.0 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free
Superchip

PATENTED

SSCD103PSH*	30	1.0	25	0.5	1.0	0.39	A3 PS.

NOTE : " * " The objective specification for product development.
Suffix " P " for Low VF & Low IR type, " S " for thin flat package

Low VF

1.0 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free
Superchip

PATENTED

SSCD102LSH	20	1.0	25	1.0	1.0	0.38	A2 LS.
SSCD104LSH	40	1.0	25	1.0	1.0	0.38	A4 LS.

NOTE : Suffix " S " for thin flat package.

1.0 AMPERE / 1206 (Equivalent to SOD-123) / Halogen-free
Superchip

PATENTED

SSCD102H	20	1.0	20	0.2	1.0	0.50	A2.
SSCD104H	40	1.0	20	0.2	1.0	0.50	A4.
SSCD106H	60	1.0	20	0.2	1.0	0.70	A6.
SSCD110H	100	1.0	20	0.2	1.0	0.85	A10.

Low VF

1.0 AMPERE / 1206 (Equivalent to SOD-123) / Halogen-free
Superchip

PATENTED

SSCD102LH	20	1.0	25	1.0	1.0	0.38	A2L.
SSCD104LH	40	1.0	25	1.0	1.0	0.38	A4L.

1.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip

PATENTED

SCD5817H	20	1.0	30	0.5	1.0	0.45	5817.
SCD5818H	30	1.0	30	0.5	1.0	0.55	5818.
SCD5819H	40	1.0	30	0.5	1.0	0.60	5819.

1.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip

PATENTED

SCD12H	20	1.0	30	0.2	1.0	0.50	SCD 12.
SCD14H	40	1.0	30	0.2	1.0	0.50	SCD 14.
SCD14RH	40	1.0	30	0.05	1.0	0.55	SCD 14R.
SCD16H	60	1.0	30	0.2	1.0	0.70	SCD 16.
SCD110H	100	1.0	30	0.2	1.0	0.85	SCD 110.

NOTE : Suffix " R " for low IR type.

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	mA	A	V	

NEW **Low VF/Low IR**

1.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip

PATENTED

SCD13PH *	30	1.0	30	0.5	1.0	0.39	SCD 13P.

NOTE : " * " The objective specification for product development.
Suffix " P " for Low VF & Low IR type.

Low VF

1.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip

PATENTED

SCD12LH	20	1.0	30	1.0	1.0	0.38	SCD 12L.
SCD14LH	40	1.0	30	1.0	1.0	0.38	SCD 14L.

2.0 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free
Superchip

PATENTED

SSCD202SH	20	2.0	40	0.2	2.0	0.50	L2S
SSCD204SH	40	2.0	40	0.2	2.0	0.50	L4S
SSCD206SH	60	2.0	40	0.2	2.0	0.70	L6S
SSCD210SH	100	2.0	40	0.2	2.0	0.85	L10S

NOTE : Suffix " S " for thin flat package

NEW **Low VF/Low IR**

2.0 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free
Superchip

PATENTED

SSCD203PSH*	30	2.0	50	0.2	2.0	0.44	L3 PS.

NOTE : " * " The objective specification for product development.
Suffix " P " for Low VF & Low IR type, " S " for thin flat package.

2.0 AMPERE / 1206 (Equivalent to SOD-123) / Halogen-free
Superchip

PATENTED

SSCD202H	20	2.0	40	0.2	2.0	0.50	L2.
SSCD204H	40	2.0	40	0.2	2.0	0.50	L4.
SSCD206H	60	2.0	40	0.2	2.0	0.70	L6.
SSCD210H	100	2.0	40	0.2	2.0	0.85	L10.

Low VF

2.0 AMPERE / 1206 (Equivalent to SOD-123) / Halogen-free
Superchip

PATENTED

SSCD202LH	20	2.0	40	1.0	2.0	0.40	L2L.
SSCD204LH	40	2.0	40	1.0	2.0	0.40	L4L.

2.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip

PATENTED

SCD22H	20	2.0	50	0.2	2.0	0.50	SCD 22.
SCD24H	40	2.0	50	0.2	2.0	0.50	SCD 24.
SCD26H	60	2.0	50	0.2	2.0	0.70	SCD 26.
SCD210H	100	2.0	50	0.2	2.0	0.85	SCD 210.

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	mA	A	V	

NEW **Low VF/Low IR**

2.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip


PATENTED

SCD23PH *	30	2.0	60	0.2	2.0	0.44	SCD 23P▪

NOTE : " * " The objective specification for product development.
Suffix " P " for Low VF & Low IR type.

Low VF

2.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip


PATENTED

SCD22LH	20	2.0	50	1.0	2.0	0.40	SCD 22L▪
SCD24LH	40	2.0	50	1.0	2.0	0.40	SCD 24L▪

3.0 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free
Superchip


PATENTED

SSCD304SH	40	3.0	40	0.2	3.0	0.55	K4S▪

NOTE : Suffix " S " for thin flat package.

3.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip


PATENTED

SCD32H	20	3.0	80	0.2	3.0	0.50	SCD 32▪
SCD34H	40	3.0	80	0.2	3.0	0.50	SCD 34▪
SCD36H	60	3.0	80	0.2	3.0	0.70	SCD 36▪
SCD310H	100	3.0	80	0.2	3.0	0.85	SCD 310▪

NEW **Low VF/Low IR**

3.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip


PATENTED

SCD33PH *	30	3.0	70	0.2	3.0	0.44	SCD 33P▪

NOTE : " * " The objective specification for product development.
Suffix " P " for Low VF & Low IR type.

3.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip


PATENTED

SCD32LH	20	3.0	80	1.0	3.0	0.42	SCD 32L▪
SCD34LH	40	3.0	80	1.0	3.0	0.42	SCD 34L▪

3.0 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free
Superchip


PATENTED

BSCD32H	20	3.0	80	0.5	3.0	0.50	BSCD 32▪
BSCD34H	40	3.0	80	0.5	3.0	0.50	BSCD 34▪
BSCD36H	60	3.0	80	0.5	3.0	0.70	BSCD 36▪
BSCD310H	100	3.0	80	0.5	3.0	0.85	BSCD 310▪

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	mA	A	V	

3.0 AMPERE / 3220 (Equivalent to DO-214AB / SMC) / Halogen-free
Superchip

PATENTED

CSCD32H	20	3.0	100	0.5	3.0	0.50	CSCD 32▪
CSCD34H	40	3.0	100	0.5	3.0	0.50	CSCD 34▪
CSCD36H	60	3.0	100	0.5	3.0	0.70	CSCD 36▪
CSCD310H	100	3.0	100	0.5	3.0	0.85	CSCD 310▪

5.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip

PATENTED

SCD53H	30	5.0 *	80	0.2	3.0	0.44	SCD 53▪

NOTE : " * " At Tc 83℃

5.0 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free
Superchip

PATENTED

BSCD52H	20	5.0	105	0.5	5.0	0.55	BSCD 52▪
BSCD54H	40	5.0	105	0.5	5.0	0.55	BSCD 54▪
BSCD56H	60	5.0	105	0.5	5.0	0.70	BSCD 56▪
BSCD510H	100	5.0	105	0.5	5.0	0.85	BSCD 510▪

5.0 AMPERE / 3220 (Equivalent to DO-214AB / SMC) / Halogen-free
Superchip

PATENTED

CSCD52H	20	5.0	130	0.5	5.0	0.55	CSCD 52▪
CSCD54H	40	5.0	130	0.5	5.0	0.55	CSCD 54▪
CSCD56H	60	5.0	130	0.5	5.0	0.70	CSCD 56▪
CSCD510H	100	5.0	130	0.5	5.0	0.85	CSCD 510▪

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	mA	A	V	
1.0 AMPERE / DO-214AC (SMA)							
SS12	20	1.0	30	0.5	1.0	0.50	SS12
SS14	40	1.0	30	0.5	1.0	0.50	SS14
SS16	60	1.0	30	0.5	1.0	0.70	SS16
SS110	100	1.0	30	0.5	1.0	0.85	SS110
1.0 AMPERE / DO-214AC (SMA) / Halogen-free							
SS12H	20	1.0	30	0.5	1.0	0.50	SS12.
SS14H	40	1.0	30	0.5	1.0	0.50	SS14.
SS16H	60	1.0	30	0.5	1.0	0.70	SS16.
SS110H	100	1.0	30	0.5	1.0	0.85	SS110.
1.0 AMPERE / DO-204AL (DO-41)							
1N5817	20	1.0	25	1.0	1.0	0.45	1N5817
1N5818	30	1.0	25	1.0	1.0	0.55	1N5818
1N5819	40	1.0	25	1.0	1.0	0.60	1N5819
1.0 AMPERE / DO-204AL (DO-41) / Halogen-free							
1N5817H	20	1.0	25	1.0	1.0	0.45	1N5817.
1N5818H	30	1.0	25	1.0	1.0	0.55	1N5818.
1N5819H	40	1.0	25	1.0	1.0	0.60	1N5819.
1.0 AMPERE / DO-204AL (DO-41)							
SB120	20	1.0	30	0.5	1.0	0.50	SB120
SB140	40	1.0	30	0.5	1.0	0.50	SB140
SB160	60	1.0	30	0.5	1.0	0.70	SB160
SB1100	100	1.0	30	0.5	1.0	0.85	SB110
1.0 AMPERE / DO-204AL (DO-41) / Halogen-free							
SB120H	20	1.0	30	0.5	1.0	0.50	SB120.
SB140H	40	1.0	30	0.5	1.0	0.50	SB140.
SB160H	60	1.0	30	0.5	1.0	0.70	SB160.
SB1100H	100	1.0	30	0.5	1.0	0.85	SB110.
2.0 AMPERE / DO-214AC (SMA)							
SS22	20	2.0	50	0.5	2.0	0.50	SS22
SS24	40	2.0	50	0.5	2.0	0.50	SS24
SS26	60	2.0	50	0.5	2.0	0.70	SS26
SS210	100	2.0	50	0.5	2.0	0.85	SS210

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	mA	A	V	
2.0 AMPERE / DO-214AC (SMA) / Halogen-free 							
SS22H	20	2.0	50	0.5	2.0	0.50	SS22.
SS24H	40	2.0	50	0.5	2.0	0.50	SS24.
SS26H	60	2.0	50	0.5	2.0	0.70	SS26.
SS210H	100	2.0	50	0.5	2.0	0.85	SS210.
2.0 AMPERE / DO-204AL (DO-41) 							
SB220	20	2.0	50	0.5	2.0	0.50	SB220
SB240	40	2.0	50	0.5	2.0	0.50	SB240
SB260	60	2.0	50	0.5	2.0	0.70	SB260
SB2100	100	2.0	50	0.5	2.0	0.85	SB2100
2.0 AMPERE / DO-204AL (DO-41) / Halogen-free 							
SB220H	20	2.0	50	0.5	2.0	0.50	SB220.
SB240H	40	2.0	50	0.5	2.0	0.50	SB240.
SB260H	60	2.0	50	0.5	2.0	0.70	SB260.
SB2100H	100	2.0	50	0.5	2.0	0.85	SB2100.
3.0 AMPERE / DO-214AA (SMB) 							
SS32	20	3.0	80	0.5	3.0	0.50	SS32
SS34	40	3.0	80	0.5	3.0	0.50	SS34
SS36	60	3.0	80	0.5	3.0	0.70	SS36
SS310	100	3.0	80	0.5	3.0	0.85	SS310
3.0 AMPERE / DO-214AA (SMB) / Halogen-free 							
SS32H	20	3.0	80	0.5	3.0	0.50	SS32.
SS34H	40	3.0	80	0.5	3.0	0.50	SS34.
SS36H	60	3.0	80	0.5	3.0	0.70	SS36.
SS310H	100	3.0	80	0.5	3.0	0.85	SS310.
3.0 AMPERE / DO-214AB (SMC) 							
SC32	20	3.0	100	0.5	3.0	0.50	SC32
SC34	40	3.0	100	0.5	3.0	0.50	SC34
SC36	60	3.0	100	0.5	3.0	0.70	SC36
SC310	100	3.0	100	0.5	3.0	0.85	SC310
3.0 AMPERE / DO-214AB (SMC) / Halogen-free 							
SC32H	20	3.0	100	0.5	3.0	0.50	SC32.
SC34H	40	3.0	100	0.5	3.0	0.50	SC34.
SC36H	60	3.0	100	0.5	3.0	0.70	SC36.
SC310H	100	3.0	100	0.5	3.0	0.85	SC310.

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	mA	A	V	
3.0 AMPERE / DO-201AD (DO-27)							
1N5820	20	3.0	80	2.0	3.0	0.475	1N5820
1N5821	30	3.0	80	2.0	3.0	0.500	1N5821
1N5822	40	3.0	80	2.0	3.0	0.525	1N5822
3.0 AMPERE / DO-201AD (DO-27) / Halogen-free							
1N5820H	20	3.0	80	2.0	3.0	0.475	1N5820.
1N5821H	30	3.0	80	2.0	3.0	0.500	1N5821.
1N5822H	40	3.0	80	2.0	3.0	0.525	1N5822.
3.0 AMPERE / DO-201AD (DO-27)							
SB320	20	3.0	80	0.5	3.0	0.50	SB320
SB340	40	3.0	80	0.5	3.0	0.50	SB340
SB360	60	3.0	80	0.5	3.0	0.70	SB360
SB3100	100	3.0	80	0.5	3.0	0.85	SB3100
3.0 AMPERE / DO-201AD (DO-27) / Halogen-free							
SB320H	20	3.0	80	0.5	3.0	0.50	SB320.
SB340H	40	3.0	80	0.5	3.0	0.50	SB340.
SB360H	60	3.0	80	0.5	3.0	0.70	SB360.
SB3100H	100	3.0	80	0.5	3.0	0.85	SB3100.
5.0 AMPERE / DO-214AB (SMC)							
SC52	20	5.0	125	0.5	5.0	0.55	SC52
SC54	40	5.0	125	0.5	5.0	0.55	SC54
SC56	60	5.0	125	0.5	5.0	0.70	SC56
SC510	100	5.0	125	0.5	5.0	0.85	SC510
5.0 AMPERE / DO-214AB (SMC) / Halogen-free							
SC52H	20	5.0	125	0.5	5.0	0.55	SC52.
SC54H	40	5.0	125	0.5	5.0	0.55	SC54.
SC56H	60	5.0	125	0.5	5.0	0.70	SC56.
SC510H	100	5.0	125	0.5	5.0	0.85	SC510.

SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	mA	A	V	

5.0 AMPERE / DO-201AD (DO-27)

SB520	20	5.0	150	0.5	5.0	0.55	SB520
SB540	40	5.0	150	0.5	5.0	0.55	SB540
SB560	60	5.0	150	0.5	5.0	0.70	SB560
SB5100	100	5.0	150	0.5	5.0	0.85	SB5100

5.0 AMPERE / DO-201AD (DO-27) / Halogen-free

SB520H	20	5.0	150	0.5	5.0	0.55	SB520.
SB540H	40	5.0	150	0.5	5.0	0.55	SB540.
SB560H	60	5.0	150	0.5	5.0	0.70	SB560.
SB5100H	100	5.0	150	0.5	5.0	0.85	SB5100.

8.0 AMPERE / DO-201AD (DO-27)

SB840	40	8.0	175	0.5	8.0	0.55	SB840
SB860	60	8.0	175	0.5	8.0	0.70	SB860

8.0 AMPERE / DO-201AD (DO-27) / Halogen-free

SB840H	40	8.0	175	0.5	8.0	0.55	SB840.
SB860H	60	8.0	175	0.5	8.0	0.70	SB860.

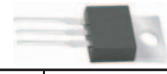
SCHOTTKY BARRIER RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	mA	A	V	

10 AMPERE / TO-220AB

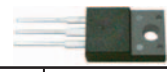
SBL1040CT	40	10	150	0.20	5.0	0.55	SBL1040CT
SBL1045CT	45	10	150	0.20	5.0	0.55	SBL1045CT
SBL1060CT	60	10	150	0.20	5.0	0.70	SBL1060CT
MBR10100CT	100	10	125	0.15	5.0	0.85	MBR10100CT
MBR10150CT	150	10	125	0.15	5.0	0.88	MBR10150CT
MBR10200CT	200	10	125	0.15	5.0	0.90	MBR10200CT

10 AMPERE / TO-220AB / Halogen-free



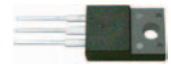
SBL1040CTH	40	10	150	0.20	5.0	0.55	SBL1040CTH
SBL1045CTH	45	10	150	0.20	5.0	0.55	SBL1045CTH
SBL1060CTH	60	10	150	0.20	5.0	0.70	SBL1060CTH
MBR10100CTH	100	10	125	0.15	5.0	0.85	MBR10100CTH
MBR10150CTH	150	10	125	0.15	5.0	0.88	MBR10150CTH
MBR10200CTH	200	10	125	0.15	5.0	0.90	MBR10200CTH

10 AMPERE / ITO-220AB



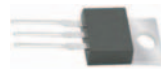
SBL1040CF	40	10	150	0.20	5.0	0.55	SBL1040CF
SBL1045CF	45	10	150	0.20	5.0	0.55	SBL1045CF
SBL1060CF	60	10	150	0.20	5.0	0.70	SBL1060CF
MBR10100CF	100	10	125	0.15	5.0	0.85	MBR10100CF
MBR10150CF	150	10	125	0.15	5.0	0.88	MBR10150CF
MBR10200CF	200	10	125	0.15	5.0	0.90	MBR10200CF

10 AMPERE / ITO-220AB / Halogen-free



SBL1040CFH	40	10	150	0.20	5.0	0.55	SBL1040CFH
SBL1045CFH	45	10	150	0.20	5.0	0.55	SBL1045CFH
SBL1060CFH	60	10	150	0.20	5.0	0.70	SBL1060CFH
MBR10100CFH	100	10	125	0.15	5.0	0.85	MBR10100CFH
MBR10150CFH	150	10	125	0.15	5.0	0.88	MBR10150CFH
MBR10200CFH	200	10	125	0.15	5.0	0.90	MBR10200CFH

20 AMPERE / TO-220AB

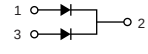


SBL2040CT	40	20	200	0.20	10.0	0.55	SBL2040CT
SBL2045CT	45	20	200	0.20	10.0	0.55	SBL2045CT
SBL2060CT	60	20	200	0.20	10.0	0.70	SBL2060CT
MBR20100CT	100	20	200	0.15	10.0	0.85	MBR20100CT
MBR20150CT	150	20	200	0.15	10.0	0.88	MBR20150CT
MBR20200CT	200	20	200	0.15	10.0	0.90	MBR20200CT

20 AMPERE / TO-220AB / Halogen-free

SBL2040CTH	40	20	200	0.20	10.0	0.55	SBL2040CTH
SBL2045CTH	45	20	200	0.20	10.0	0.55	SBL2045CTH
SBL2060CTH	60	20	200	0.20	10.0	0.70	SBL2060CTH
MBR20100CTH	100	20	200	0.15	10.0	0.85	MBR20100CTH
MBR20150CTH	150	20	200	0.15	10.0	0.88	MBR20150CTH
MBR20200CTH	200	20	200	0.15	10.0	0.90	MBR20200CTH

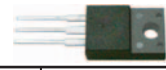
NOTE : CKT connection of TO-220AB and ITO-220AB



SCHOTTKY BARRIER RECTIFIERS

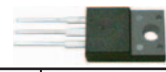
TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	mA	A	V	

20 AMPERE / ITO-220AB



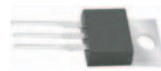
SBL2040CF	40	20	200	0.20	10.0	0.55	SBL2040CF
SBL2045CF	45	20	200	0.20	10.0	0.55	SBL2045CF
SBL2060CF	60	20	200	0.20	10.0	0.70	SBL2060CF
MBR20100CF	100	20	200	0.15	10.0	0.85	MBR20100CF
MBR20150CF	150	20	200	0.15	10.0	0.88	MBR20150CF
MBR20200CF	200	20	200	0.15	10.0	0.90	MBR20200CF

20 AMPERE / ITO-220AB / Halogen-free



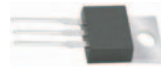
SBL2040CFH	40	20	200	0.20	10.0	0.55	SBL2040CFH
SBL2045CFH	45	20	200	0.20	10.0	0.55	SBL2045CFH
SBL2060CFH	60	20	200	0.20	10.0	0.70	SBL2060CFH
MBR20100CFH	100	20	200	0.15	10.0	0.85	MBR20100CFH
MBR20150CFH	150	20	200	0.15	10.0	0.88	MBR20150CFH
MBR20200CFH	200	20	200	0.15	10.0	0.90	MBR20200CFH

30 AMPERE / TO-220AB



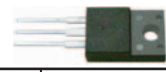
SBL3040CT	40	30	250	0.20	15.0	0.55	SBL3040CT
SBL3045CT	45	30	250	0.20	15.0	0.55	SBL3045CT
SBL3060CT	60	30	250	0.20	15.0	0.70	SBL3060CT
MBR30100CT	100	30	250	0.15	15.0	0.85	MBR30100CT
MBR30150CT	150	30	250	0.15	15.0	0.88	MBR30150CT
MBR30200CT	200	30	250	0.15	15.0	0.90	MBR30200CT

30 AMPERE / TO-220AB / Halogen-free



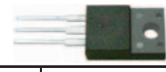
SBL3040CTH	40	30	250	0.20	15.0	0.55	SBL3040CTH
SBL3045CTH	45	30	250	0.20	15.0	0.55	SBL3045CTH
SBL3060CTH	60	30	250	0.20	15.0	0.70	SBL3060CTH
MBR30100CTH	100	30	250	0.15	15.0	0.85	MBR30100CTH
MBR30150CTH	150	30	250	0.15	15.0	0.88	MBR30150CTH
MBR30200CTH	200	30	250	0.15	15.0	0.90	MBR30200CTH

30 AMPERE / ITO-220AB



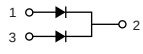
SBL3040CF	40	30	250	0.20	15.0	0.55	SBL3040CF
SBL3045CF	45	30	250	0.20	15.0	0.55	SBL3045CF
SBL3060CF	60	30	250	0.20	15.0	0.70	SBL3060CF
MBR30100CF	100	30	250	0.15	15.0	0.85	MBR30100CF
MBR30150CF	150	30	250	0.15	15.0	0.88	MBR30150CF
MBR30200CF	200	30	250	0.15	15.0	0.90	MBR30200CF

30 AMPERE / ITO-220AB / Halogen-free



SBL3040CFH	40	30	250	0.20	15.0	0.55	SBL3040CFH
SBL3045CFH	45	30	250	0.20	15.0	0.55	SBL3045CFH
SBL3060CFH	60	30	250	0.20	15.0	0.70	SBL3060CFH
MBR30100CFH	100	30	250	0.15	15.0	0.85	MBR30100CFH
MBR30150CFH	150	30	250	0.15	15.0	0.88	MBR30150CFH
MBR30200CFH	200	30	250	0.15	15.0	0.90	MBR30200CFH

NOTE : CKT connection of TO-220AB and ITO-220AB



SCHOTTKY BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	mA	A	V	

NEW

1.0 AMPERE / MBC / Halogen-free
Superchip


PATENTED

SMBC104H	40	1.0	30	0.2	1.0	0.50	SMBC 104.
SMBC106H	60	1.0	30	0.2	1.0	0.70	SMBC 106.
SMBC110H	100	1.0	30	0.2	1.0	0.85	SMBC 110.

NEW

2.0 AMPERE / MBC / Halogen-free
Superchip


PATENTED

SMBC204H	40	2.0	50	0.2	2.0	0.50	SMBC 204.
SMBC206H	60	2.0	50	0.2	2.0	0.70	SMBC 206.
SMBC210H	100	2.0	50	0.2	2.0	0.85	SMBC 210.

NEW Low VF

1.0 AMPERE / MBCM / Halogen-free
Superchip


PATENTED

SMBCM104LH*	40	1.0	30	1.0	0.5	0.40	104L▪

NOTE : " * " The objective specification for product development.

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	uA	A	V	

1.0 AMPERE / MINI MELF (DO-213AA)
Superex II

PATENTED

LL4003	200	1.0	30	5.0	1.0	1.00	-
LL4004	400	1.0	30	5.0	1.0	1.00	-
LL4005	600	1.0	30	5.0	1.0	1.00	-
LL4006	800	1.0	30	5.0	1.0	1.00	-
LL4007	1000	1.0	30	5.0	1.0	1.00	-

1.0 AMPERE / MINI MELF (DO-213AA) / Halogen-free
Superex II

PATENTED

LL4003GH	200	1.0	30	5.0	1.0	1.00	-
LL4004GH	400	1.0	30	5.0	1.0	1.00	-
LL4005GH	600	1.0	30	5.0	1.0	1.00	-
LL4006GH	800	1.0	30	5.0	1.0	1.00	-
LL4007GH	1000	1.0	30	5.0	1.0	1.00	-

1.0 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free
Superchip Superex II

PATENTED

SGC10DH	200	1.0	15	2.0	1.0	1.00	10 DD.
SGC10GH	400	1.0	15	2.0	1.0	1.00	10 DG.
SGC10JH	600	1.0	15	2.0	1.0	1.00	10 DJ.
SGC10KH	800	1.0	15	2.0	1.0	1.00	10 DK.
SGC10MH	1000	1.0	15	2.0	1.0	1.00	10 DM.

Low VF

1.0 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free
Superchip Superex II

PATENTED

SGC10DLH	200	1.0	35	5.0	1.0	0.95	10 DL.
SGC10GLH	400	1.0	35	5.0	1.0	0.95	10 GL.
SGC10JLH	600	1.0	35	5.0	1.0	0.95	10 JL.
SGC10KLH	800	1.0	35	5.0	1.0	0.95	10 KL.
SGC10MLH	1000	1.0	35	5.0	1.0	0.95	10 ML.

1.0 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123) / Halogen-free
Superchip Superex II

PATENTED

BYD17ZDH	200	1.0	30	1.0	1.0	1.00	17 ZD.
BYD17ZGH	400	1.0	30	1.0	1.0	1.00	17 ZG.
BYD17ZJH	600	1.0	30	1.0	1.0	1.00	17 ZJ.
BYD17ZKH	800	1.0	30	1.0	1.0	1.00	17 ZK.
BYD17ZMH	1000	1.0	30	1.0	1.0	1.00	17 ZM.

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	uA	A	V	

Low VF

1.0 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123) / Halogen-free
Superchip Superex II

PATENTED

BYD17ZDLH	200	1.0	40	5.0	1.0	0.93	17 ZDL.
BYD17ZGLH	400	1.0	40	5.0	1.0	0.93	17 ZGL.
BYD17ZJLH	600	1.0	40	5.0	1.0	0.93	17 ZJL.
BYD17ZKLH	800	1.0	40	5.0	1.0	0.93	17 ZKL.
BYD17ZMLH	1000	1.0	40	5.0	1.0	0.93	17 ZML.

1.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip Superex II

PATENTED

GC10DH	200	1.0	30	5.0	1.0	1.00	GC 10D.
GC10GH	400	1.0	30	5.0	1.0	1.00	GC 10G.
GC10JH	600	1.0	30	5.0	1.0	1.00	GC 10J.
GC10KH	800	1.0	30	5.0	1.0	1.00	GC 10K.
GC10MH	1000	1.0	30	5.0	1.0	1.00	GC 10M.

Low VF

1.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip Superex II

PATENTED

GC10DLH	200	1.0	40	5.0	1.0	0.93	GC 10DL.
GC10GLH	400	1.0	40	5.0	1.0	0.93	GC 10GL.
GC10JLH	600	1.0	40	5.0	1.0	0.93	GC 10JL.
GC10KLH	800	1.0	40	5.0	1.0	0.93	GC 10KL.
GC10MLH	1000	1.0	40	5.0	1.0	0.93	GC 10ML.

1.0 AMPERE / R-1
Superex II

PATENTED

G110D	200	1.0	25	5.0	1.0	1.00	G1D
G110G	400	1.0	25	5.0	1.0	1.00	G1G
G110J	600	1.0	25	5.0	1.0	1.00	G1J
G110K	800	1.0	25	5.0	1.0	1.00	G1K
G110M	1000	1.0	25	5.0	1.0	1.00	G1M

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	uA	A	V	

Low VF

1.0 AMPERE / R-1
Superex II

PATENTED

G110DL	200	1.0	30	5.0	1.0	0.90	G1DL
G110GL	400	1.0	30	5.0	1.0	0.90	G1GL
G110JL	600	1.0	30	5.0	1.0	0.90	G1JL
G110KL	800	1.0	30	5.0	1.0	0.92	G1KL
G110ML	1000	1.0	30	5.0	1.0	0.92	G1ML

1.0 AMPERE / DO-204AL (DO-41)
Superex II

PATENTED

GP10D	200	1.0	30	5.0	1.0	1.00	GP10D
GP10G	400	1.0	30	5.0	1.0	1.00	GP10G
GP10J	600	1.0	30	5.0	1.0	1.00	GP10J
GP10K	800	1.0	30	5.0	1.0	1.00	GP10K
GP10M	1000	1.0	30	5.0	1.0	1.00	GP10M
GP10Q	1200	1.0	30	5.0	1.0	1.25	GP10Q
GP10V	1400	1.0	30	5.0	1.0	1.25	GP10V
GP10Y	1600	1.0	30	5.0	1.0	1.25	GP10Y
GP02-20	2000	1.0	30	5.0	1.0	2.00	GP02-20

1.0 AMPERE / DO-204AL (DO-41) / Halogen-free
Superex II

PATENTED

GP10DH	200	1.0	30	5.0	1.0	1.00	GP10D.
GP10GH	400	1.0	30	5.0	1.0	1.00	GP10G.
GP10JH	600	1.0	30	5.0	1.0	1.00	GP10J.
GP10KH	800	1.0	30	5.0	1.0	1.00	GP10K.
GP10MH	1000	1.0	30	5.0	1.0	1.00	GP10M.
GP10QH	1200	1.0	30	5.0	1.0	1.25	GP10Q.
GP10VH	1400	1.0	30	5.0	1.0	1.25	GP10V.
GP10YH	1600	1.0	30	5.0	1.0	1.25	GP10Y.
GP02-20H	2000	1.0	30	5.0	1.0	2.00	GP02-20.

Low VF

1.0 AMPERE / DO-204AL (DO-41)
Superex II

PATENTED

GP10DL	200	1.0	50	5.0	1.0	0.90	GP10DL
GP10GL	400	1.0	50	5.0	1.0	0.90	GP10GL
GP10JL	600	1.0	50	5.0	1.0	0.90	GP10JL
GP10KL	800	1.0	50	5.0	1.0	0.92	GP10KL
GP10ML	1000	1.0	50	5.0	1.0	0.92	GP10ML

Low VF

1.0 AMPERE / DO-204AL (DO-41) / Halogen-free
Superex II

PATENTED

GP10DLH	200	1.0	50	5.0	1.0	0.90	GP10DL.
GP10GLH	400	1.0	50	5.0	1.0	0.90	GP10GL.
GP10JLH	600	1.0	50	5.0	1.0	0.90	GP10JL.
GP10KLH	800	1.0	50	5.0	1.0	0.92	GP10KL.
GP10MLH	1000	1.0	50	5.0	1.0	0.92	GP10ML.

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	uA	A	V	

1.0 AMPERE / DO-214AC (SMA)
Superex II

PATENTED

GF10D	200	1.0	30	5.0	1.0	1.00	S10D
GF10G	400	1.0	30	5.0	1.0	1.00	S10G
GF10J	600	1.0	30	5.0	1.0	1.00	S10J
GF10K	800	1.0	30	5.0	1.0	1.00	S10K
GF10M	1000	1.0	30	5.0	1.0	1.00	S10M
GF10Q	1200	1.0	30	5.0	1.0	1.25	S10Q
GF10Y	1600	1.0	30	5.0	1.0	1.25	S10Y
GF02-20	2000	1.0	30	5.0	1.0	2.00	S02-20

1.0 AMPERE / DO-214AC (SMA) / Halogen-free
Superex II

PATENTED

GF10DH	200	1.0	30	5.0	1.0	1.00	S10D.
GF10GH	400	1.0	30	5.0	1.0	1.00	S10G.
GF10JH	600	1.0	30	5.0	1.0	1.00	S10J.
GF10KH	800	1.0	30	5.0	1.0	1.00	S10K.
GF10MH	1000	1.0	30	5.0	1.0	1.00	S10M.
GF10QH	1200	1.0	30	5.0	1.0	1.25	S10Q.
GF10YH	1600	1.0	30	5.0	1.0	1.25	S10Y.
GF02-20H	2000	1.0	30	5.0	1.0	2.00	S02-20.

Low VF

1.0 AMPERE / DO-214AC (SMA)
Superex II

PATENTED

GF10DL	200	1.0	50	5.0	1.0	0.91	S10DL
GF10GL	400	1.0	50	5.0	1.0	0.91	S10GL
GF10JL	600	1.0	50	5.0	1.0	0.91	S10JL
GF10KL	800	1.0	40	5.0	1.0	0.92	S10KL
GF10ML	1000	1.0	40	5.0	1.0	0.92	S10ML

Low VF

1.0 AMPERE / DO-214AC (SMA) / Halogen-free
Superex II

PATENTED

GF10DLH	200	1.0	50	5.0	1.0	0.91	S10DL.
GF10GLH	400	1.0	50	5.0	1.0	0.91	S10GL.
GF10JLH	600	1.0	50	5.0	1.0	0.91	S10JL.
GF10KLH	800	1.0	40	5.0	1.0	0.92	S10KL.
GF10MLH	1000	1.0	40	5.0	1.0	0.92	S10ML.

2.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip Superex II

PATENTED

GC20DH	200	2.0	50	5.0	2.0	1.00	GC 20D.
GC20GH	400	2.0	50	5.0	2.0	1.00	GC 20G.
GC20JH	600	2.0	50	5.0	2.0	1.00	GC 20J.
GC20KH	800	2.0	50	5.0	2.0	1.00	GC 20K.
GC20MH	1000	2.0	50	5.0	2.0	1.00	GC 20M.

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	uA	A	V	

Low VF

2.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip Superex II

PATENTED

GC20DLH	200	2.0	65	5.0	2.0	0.93	GC 20DL.
GC20GLH	400	2.0	65	5.0	2.0	0.93	GC 20GL.
GC20JLH	600	2.0	65	5.0	2.0	0.93	GC 20JL.
GC20KLH	800	2.0	60	5.0	2.0	0.93	GC 20KL.
GC20MLH	1000	2.0	60	5.0	2.0	0.93	GC 20ML.

2.0 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free
Superchip Superex II

PATENTED

BGC20DH	200	2.0	50	5.0	2.0	1.00	BGC 20D.
BGC20GH	400	2.0	50	5.0	2.0	1.00	BGC 20G.
BGC20JH	600	2.0	50	5.0	2.0	1.00	BGC 20J.
BGC20KH	800	2.0	50	5.0	2.0	1.00	BGC 20K.
BGC20MH	1000	2.0	50	5.0	2.0	1.00	BGC 20M.

Low VF

2.0 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free
Superchip Superex II

PATENTED

BGC20DLH	200	2.0	65	5.0	2.0	0.93	BGC 20DL.
BGC20GLH	400	2.0	65	5.0	2.0	0.93	BGC 20GL.
BGC20JLH	600	2.0	65	5.0	2.0	0.93	BGC 20JL.
BGC20KLH	800	2.0	60	5.0	2.0	0.93	BGC 20KL.
BGC20MLH	1000	2.0	60	5.0	2.0	0.93	BGC 20ML.

2.0 AMPERE / DO-204AC (DO-15)
Superex II

PATENTED

GP20D	200	2.0	65	5.0	2.0	1.00	GP20D
GP20G	400	2.0	65	5.0	2.0	1.00	GP20G
GP20J	600	2.0	65	5.0	2.0	1.00	GP20J
GP20K	800	2.0	65	5.0	2.0	1.00	GP20K
GP20M	1000	2.0	65	5.0	2.0	1.00	GP20M

2.0 AMPERE / DO-204AC (DO-15) / Halogen-free
Superex II

PATENTED

GP20DH	200	2.0	65	5.0	2.0	1.00	GP20D.
GP20GH	400	2.0	65	5.0	2.0	1.00	GP20G.
GP20JH	600	2.0	65	5.0	2.0	1.00	GP20J.
GP20KH	800	2.0	65	5.0	2.0	1.00	GP20K.
GP20MH	1000	2.0	65	5.0	2.0	1.00	GP20M.

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	uA	A	V	

Low VF

2.0 AMPERE / DO-204AC (DO-15)
Superex II

PATENTED

GP20DL	200	2.0	100	5.0	2.0	0.90	GP20DL
GP20GL	400	2.0	100	5.0	2.0	0.90	GP20GL
GP20JL	600	2.0	100	5.0	2.0	0.90	GP20JL
GP20KL	800	2.0	100	5.0	2.0	0.92	GP20KL
GP20ML	1000	2.0	100	5.0	2.0	0.92	GP20ML

Low VF

2.0 AMPERE / DO-204AC (DO-15) / Halogen-free
Superex II

PATENTED

GP20DLH	200	2.0	100	5.0	2.0	0.90	GP20DL.
GP20GLH	400	2.0	100	5.0	2.0	0.90	GP20GL.
GP20JLH	600	2.0	100	5.0	2.0	0.90	GP20JL.
GP20KLH	800	2.0	100	5.0	2.0	0.92	GP20KL.
GP20MLH	1000	2.0	100	5.0	2.0	0.92	GP20ML.

2.0 AMPERE / DO-214AA (SMB)
Superex II

PATENTED

GF20D	200	2.0	65	5.0	2.0	1.00	S20D
GF20G	400	2.0	65	5.0	2.0	1.00	S20G
GF20J	600	2.0	65	5.0	2.0	1.00	S20J
GF20K	800	2.0	65	5.0	2.0	1.00	S20K
GF20M	1000	2.0	65	5.0	2.0	1.00	S20M

2.0 AMPERE / DO-214AA (SMB) / Halogen-free
Superex II

PATENTED

GF20DH	200	2.0	65	5.0	2.0	1.00	S20D.
GF20GH	400	2.0	65	5.0	2.0	1.00	S20G.
GF20JH	600	2.0	65	5.0	2.0	1.00	S20J.
GF20KH	800	2.0	65	5.0	2.0	1.00	S20K.
GF20MH	1000	2.0	65	5.0	2.0	1.00	S20M.

Low VF

2.0 AMPERE / DO-214AA (SMB)
Superex II

PATENTED

GF20DL	200	2.0	100	5.0	2.0	0.91	S20DL
GF20GL	400	2.0	100	5.0	2.0	0.91	S20GL
GF20JL	600	2.0	100	5.0	2.0	0.91	S20JL
GF20KL	800	2.0	75	5.0	2.0	0.92	S20KL
GF20ML	1000	2.0	75	5.0	2.0	0.92	S20ML

Low VF

2.0 AMPERE / DO-214AA (SMB) / Halogen-free
Superex II

PATENTED

GF20DLH	200	2.0	100	5.0	2.0	0.91	S20DL.
GF20GLH	400	2.0	100	5.0	2.0	0.91	S20GL.
GF20JLH	600	2.0	100	5.0	2.0	0.91	S20JL.
GF20KLH	800	2.0	75	5.0	2.0	0.92	S20KL.
GF20MLH	1000	2.0	75	5.0	2.0	0.92	S20ML.

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	uA	A	V	

3.0 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free
Superchip Superex II

PATENTED

BGC30DH	200	3.0	95	5.0	3.0	1.00	BGC 30D.
BGC30GH	400	3.0	95	5.0	3.0	1.00	BGC 30G.
BGC30JH	600	3.0	95	5.0	3.0	1.00	BGC 30J.
BGC30KH	800	3.0	95	5.0	3.0	1.00	BGC 30K.
BGC30MH	1000	3.0	95	5.0	3.0	1.00	BGC 30M.

Low VF

3.0 AMPERE / 2114 (Equivalent to DO-214AA / SMB) / Halogen-free
Superchip Superex II

PATENTED

BGC30DLH	200	3.0	115	5.0	3.0	0.93	BGC 30DL.
BGC30GLH	400	3.0	115	5.0	3.0	0.93	BGC 30GL.
BGC30JLH	600	3.0	115	5.0	3.0	0.93	BGC 30JL.
BGC30KLH	800	3.0	110	5.0	3.0	0.93	BGC 30KL.
BGC30MLH	1000	3.0	110	5.0	3.0	0.93	BGC 30ML.

3.0 AMPERE / DO-201AD (DO-27)
Superex II

PATENTED

GP30D	200	3.0	125	5.0	3.0	1.00	GP30D
GP30G	400	3.0	125	5.0	3.0	1.00	GP30G
GP30J	600	3.0	125	5.0	3.0	1.00	GP30J
GP30K	800	3.0	125	5.0	3.0	1.00	GP30K
GP30M	1000	3.0	125	5.0	3.0	1.00	GP30M

3.0 AMPERE / DO-201AD (DO-27) / Halogen-free
Superex II

PATENTED

GP30DH	200	3.0	125	5.0	3.0	1.00	GP30D.
GP30GH	400	3.0	125	5.0	3.0	1.00	GP30G.
GP30JH	600	3.0	125	5.0	3.0	1.00	GP30J.
GP30KH	800	3.0	125	5.0	3.0	1.00	GP30K.
GP30MH	1000	3.0	125	5.0	3.0	1.00	GP30M.

Low VF

3.0 AMPERE / DO-201AD (DO-27)
Superex II

PATENTED

GP30DL	200	3.0	140	5.0	3.0	0.90	GP30DL
GP30GL	400	3.0	140	5.0	3.0	0.90	GP30GL
GP30JL	600	3.0	140	5.0	3.0	0.90	GP30JL
GP30KL	800	3.0	140	5.0	3.0	0.92	GP30KL
GP30ML	1000	3.0	140	5.0	3.0	0.92	GP30ML

SINTERED GLASS PASSIVATED JUNCTION RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	uA	A	V	

Low VF

3.0 AMPERE / DO-201AD (DO-27) / Halogen-free
Superex II

PATENTED

GP30DLH	200	3.0	140	5.0	3.0	0.90	GP30DL.
GP30GLH	400	3.0	140	5.0	3.0	0.90	GP30GL.
GP30JLH	600	3.0	140	5.0	3.0	0.90	GP30JL.
GP30KLH	800	3.0	140	5.0	3.0	0.92	GP30KL.
GP30MLH	1000	3.0	140	5.0	3.0	0.92	GP30ML.

3.0 AMPERE / DO-214AA (SMB)
Superex II

PATENTED

GF30D	200	3.0	115	5.0	3.0	1.00	S30D
GF30G	400	3.0	115	5.0	3.0	1.00	S30G
GF30J	600	3.0	115	5.0	3.0	1.00	S30J
GF30K	800	3.0	115	5.0	3.0	1.00	S30K
GF30M	1000	3.0	115	5.0	3.0	1.00	S30M

3.0 AMPERE / DO-214AA (SMB) / Halogen-free
Superex II

PATENTED

GF30DH	200	3.0	115	5.0	3.0	1.00	S30D.
GF30GH	400	3.0	115	5.0	3.0	1.00	S30G.
GF30JH	600	3.0	115	5.0	3.0	1.00	S30J.
GF30KH	800	3.0	115	5.0	3.0	1.00	S30K.
GF30MH	1000	3.0	115	5.0	3.0	1.00	S30M.

Low VF

3.0 AMPERE / DO-214AA (SMB)
Superex II

PATENTED

GF30DL	200	3.0	140	5.0	3.0	0.91	S30DL
GF30GL	400	3.0	140	5.0	3.0	0.91	S30GL
GF30JL	600	3.0	140	5.0	3.0	0.91	S30JL
GF30KL	800	3.0	125	5.0	3.0	0.92	S30KL
GF30ML	1000	3.0	125	5.0	3.0	0.92	S30ML

Low VF

3.0 AMPERE / DO-214AA (SMB) / Halogen-free
Superex II

PATENTED

GF30DLH	200	3.0	140	5.0	3.0	0.91	S30DL.
GF30GLH	400	3.0	140	5.0	3.0	0.91	S30GL.
GF30JLH	600	3.0	140	5.0	3.0	0.91	S30JL.
GF30KLH	800	3.0	125	5.0	3.0	0.92	S30KL.
GF30MLH	1000	3.0	125	5.0	3.0	0.92	S30ML.

SINTERED GLASS PASSIVATED JUNCTION FAST RECOVERY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Max. Reverse Recovery Time	Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	T_{RR} @RG1	
	V	A	A	uA	A	V	nS	

1.0 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free
Superchip Superex II

PATENTED

SRGC10DH	200	1.0	15	5.0	1.0	1.30	150	10 RD.
SRGC10GH	400	1.0	15	5.0	1.0	1.30	150	10 RG.
SRGC10JH	600	1.0	15	5.0	1.0	1.30	250	10 RJ.
SRGC10KH	800	1.0	15	5.0	1.0	1.30	300	10 RK.
SRGC10MH	1000	1.0	15	5.0	1.0	1.30	500	10 RM.

1.0 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123) / Halogen-free
Superchip Superex II

PATENTED

BYD37ZDH	200	1.0	30	1.0	1.0	1.30	250	37 ZD.
BYD37ZGH	400	1.0	30	1.0	1.0	1.30	250	37 ZG.
BYD37ZJH	600	1.0	30	1.0	1.0	1.30	250	37 ZJ.
BYD37ZKH	800	1.0	30	1.0	1.0	1.30	300	37 ZK.
BYD37ZMH	1000	1.0	30	1.0	1.0	1.30	300	37 ZM.

1.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip Superex II

PATENTED

RGC10DH	200	1.0	30	5.0	1.0	1.30	150	RGC 10D.
RGC10GH	400	1.0	30	5.0	1.0	1.30	150	RGC 10G.
RGC10JH	600	1.0	30	5.0	1.0	1.30	250	RGC 10J.
RGC10KH	800	1.0	30	5.0	1.0	1.30	300	RGC 10K.
RGC10MH	1000	1.0	30	5.0	1.0	1.30	500	RGC 10M.

1.0 AMPERE / R-1
Superex II

PATENTED

RG110D	200	1.0	25	5.0	1.0	1.30	150	R1D
RG110G	400	1.0	25	5.0	1.0	1.30	150	R1G
RG110J	600	1.0	25	5.0	1.0	1.30	250	R1J
RG110K	800	1.0	25	5.0	1.0	1.30	500	R1K
RG110M	1000	1.0	25	5.0	1.0	1.30	500	R1M

1.0 AMPERE / DO-204AL (DO-41)
Superex II

PATENTED

RGP10D	200	1.0	30	5.0	1.0	1.30	150	RGP10D
RGP10G	400	1.0	30	5.0	1.0	1.30	150	RGP10G
RGP10J	600	1.0	30	5.0	1.0	1.30	250	RGP10J
RGP10JA	600	1.0	30	5.0	1.0	1.30	150	RGP10JA
RGP10K	800	1.0	30	5.0	1.0	1.30	500	RGP10K
RGP10KA	800	1.0	30	5.0	1.0	1.30	300	RGP10KA
RGP10M	1000	1.0	30	5.0	1.0	1.30	500	RGP10M
RGP10MA	1000	1.0	30	5.0	1.0	1.30	300	RGP10MA

SINTERED GLASS PASSIVATED JUNCTION FAST RECOVERY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Max. Reverse Recovery Time	Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	T_{RR} @RG1	
	V	A	A	uA	A	V	nS	

1.0 AMPERE / DO-204AL (DO-41) / Halogen-free
Superex II

PATENTED

RGP10DH	200	1.0	30	5.0	1.0	1.30	150	RGP10D.
RGP10GH	400	1.0	30	5.0	1.0	1.30	150	RGP10G.
RGP10JH	600	1.0	30	5.0	1.0	1.30	250	RGP10J.
RGP10JAH	600	1.0	30	5.0	1.0	1.30	150	RGP10JA.
RGP10KH	800	1.0	30	5.0	1.0	1.30	500	RGP10K.
RGP10KAH	800	1.0	30	5.0	1.0	1.30	300	RGP10KA.
RGP10MH	1000	1.0	30	5.0	1.0	1.30	500	RGP10M.
RGP10MAH	1000	1.0	30	5.0	1.0	1.30	300	RGP10MA.

1.0 AMPERE / DO-204AL (DO-41)
Superex II

PATENTED

RGP02-12	1200	1.0	20	5.0	1.0	1.80	300	RGP02-12
RGP02-15	1500	1.0	20	5.0	1.0	1.80	300	RGP02-15
RGP02-18	1800	1.0	20	5.0	1.0	1.80	300	RGP02-18
RGP02-20	2000	1.0	20	5.0	1.0	1.80	300	RGP02-20

1.0 AMPERE / DO-204AL (DO-41) / Halogen-free
Superex II

PATENTED

RGP02-12H	1200	1.0	20	5.0	1.0	1.80	300	RGP02-12.
RGP02-15H	1500	1.0	20	5.0	1.0	1.80	300	RGP02-15.
RGP02-18H	1800	1.0	20	5.0	1.0	1.80	300	RGP02-18.
RGP02-20H	2000	1.0	20	5.0	1.0	1.80	300	RGP02-20.

1.0 AMPERE / DO-214AC (SMA)
Superex II

PATENTED

RGF10D	200	1.0	30	5.0	1.0	1.30	150	R10D
RGF10G	400	1.0	30	5.0	1.0	1.30	150	R10G
RGF10J	600	1.0	30	5.0	1.0	1.30	250	R10J
RGF10JA	600	1.0	30	5.0	1.0	1.30	150	R10JA
RGF10K	800	1.0	30	5.0	1.0	1.30	500	R10K
RGF10KA	800	1.0	30	5.0	1.0	1.30	300	R10KA
RGF10M	1000	1.0	30	5.0	1.0	1.30	500	R10M
RGF10MA	1000	1.0	30	5.0	1.0	1.30	300	R10MA

1.0 AMPERE / DO-214AC (SMA) / Halogen-free
Superex II

PATENTED

RGF10DH	200	1.0	30	5.0	1.0	1.30	150	R10D.
RGF10GH	400	1.0	30	5.0	1.0	1.30	150	R10G.
RGF10JH	600	1.0	30	5.0	1.0	1.30	250	R10J.
RGF10JAH	600	1.0	30	5.0	1.0	1.30	150	R10JA.
RGF10KH	800	1.0	30	5.0	1.0	1.30	500	R10K.
RGF10KAH	800	1.0	30	5.0	1.0	1.30	300	R10KA.
RGF10MH	1000	1.0	30	5.0	1.0	1.30	500	R10M.
RGF10MAH	1000	1.0	30	5.0	1.0	1.30	300	R10MA.

SINTERED GLASS PASSIVATED JUNCTION FAST RECOVERY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Max. Reverse Recovery Time	Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	T_{RR} @RG1	
	V	A	A	uA	A	V	nS	

2.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip Superex II

PATENTED

RGC20DH	200	2.0	50	5.0	2.0	1.30	150	RGC 20D.
RGC20GH	400	2.0	50	5.0	2.0	1.30	150	RGC 20G.
RGC20JH	600	2.0	50	5.0	2.0	1.30	250	RGC 20J.
RGC20KH	800	2.0	50	5.0	2.0	1.30	300	RGC 20K.
RGC20MH	1000	2.0	50	5.0	2.0	1.30	500	RGC 20M.

2.0 AMPERE / DO-204AC (DO-15)
Superex II

PATENTED

RGP20D	200	2.0	65	5.0	2.0	1.30	150	RGP20D
RGP20G	400	2.0	65	5.0	2.0	1.30	150	RGP20G
RGP20J	600	2.0	65	5.0	2.0	1.30	250	RGP20J
RGP20JA	600	2.0	65	5.0	2.0	1.30	150	RGP20JA
RGP20K	800	2.0	65	5.0	2.0	1.30	500	RGP20K
RGP20KA	800	2.0	65	5.0	2.0	1.30	300	RGP20KA
RGP20M	1000	2.0	65	5.0	2.0	1.30	500	RGP20M
RGP20MA	1000	2.0	65	5.0	2.0	1.30	300	RGP20MA

2.0 AMPERE / DO-204AC (DO-15) / Halogen-free
Superex II

PATENTED

RGP20DH	200	2.0	65	5.0	2.0	1.30	150	RGP20D.
RGP20GH	400	2.0	65	5.0	2.0	1.30	150	RGP20G.
RGP20JH	600	2.0	65	5.0	2.0	1.30	250	RGP20J.
RGP20JAH	600	2.0	65	5.0	2.0	1.30	150	RGP20JA.
RGP20KH	800	2.0	65	5.0	2.0	1.30	500	RGP20K.
RGP20KAH	800	2.0	65	5.0	2.0	1.30	300	RGP20KA.
RGP20MH	1000	2.0	65	5.0	2.0	1.30	500	RGP20M.
RGP20MAH	1000	2.0	65	5.0	2.0	1.30	300	RGP20MA.

2.0 AMPERE / DO-214AA (SMB)
Superex II

PATENTED

RGF20D	200	2.0	65	5.0	2.0	1.30	150	R20D
RGF20G	400	2.0	65	5.0	2.0	1.30	150	R20G
RGF20J	600	2.0	65	5.0	2.0	1.30	250	R20J
RGF20JA	600	2.0	65	5.0	2.0	1.30	150	R20JA
RGF20K	800	2.0	65	5.0	2.0	1.30	500	R20K
RGF20KA	800	2.0	65	5.0	2.0	1.30	300	R20KA
RGF20M	1000	2.0	65	5.0	2.0	1.30	500	R20M
RGF20MA	1000	2.0	65	5.0	2.0	1.30	300	R20MA

2.0 AMPERE / DO-214AA (SMB) / Halogen-free
Superex II

PATENTED

RGF20DH	200	2.0	65	5.0	2.0	1.30	150	R20D.
RGF20GH	400	2.0	65	5.0	2.0	1.30	150	R20G.
RGF20JH	600	2.0	65	5.0	2.0	1.30	250	R20J.
RGF20JAH	600	2.0	65	5.0	2.0	1.30	150	R20JA.
RGF20KH	800	2.0	65	5.0	2.0	1.30	500	R20K.
RGF20KAH	800	2.0	65	5.0	2.0	1.30	300	R20KA.
RGF20MH	1000	2.0	65	5.0	2.0	1.30	500	R20M.
RGF20MAH	1000	2.0	65	5.0	2.0	1.30	300	R20MA.

SINTERED GLASS PASSIVATED JUNCTION FAST RECOVERY RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Max. Reverse Recovery Time	Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	T_{RR} @RG1	
	V	A	A	uA	A	V	nS	

3.0 AMPERE / DO-201AD (DO-27)
Superex II

PATENTED

RGP30D	200	3.0	125	5.0	3.0	1.30	150	RGP30D
RGP30G	400	3.0	125	5.0	3.0	1.30	150	RGP30G
RGP30J	600	3.0	125	5.0	3.0	1.30	250	RGP30J
RGP30JA	600	3.0	125	5.0	3.0	1.30	150	RGP30JA
RGP30K	800	3.0	125	5.0	3.0	1.30	500	RGP30K
RGP30KA	800	3.0	125	5.0	3.0	1.30	300	RGP30KA
RGP30M	1000	3.0	125	5.0	3.0	1.30	500	RGP30M
RGP30MA	1000	3.0	125	5.0	3.0	1.30	300	RGP30MA

3.0 AMPERE / DO-201AD (DO-27) / Halogen-free
Superex II

PATENTED

RGP30DH	200	3.0	125	5.0	3.0	1.30	150	RGP30D.
RGP30GH	400	3.0	125	5.0	3.0	1.30	150	RGP30G.
RGP30JH	600	3.0	125	5.0	3.0	1.30	250	RGP30J.
RGP30JAH	600	3.0	125	5.0	3.0	1.30	150	RGP30JA.
RGP30KH	800	3.0	125	5.0	3.0	1.30	500	RGP30K.
RGP30KAH	800	3.0	125	5.0	3.0	1.30	300	RGP30KA.
RGP30MH	1000	3.0	125	5.0	3.0	1.30	500	RGP30M.
RGP30MAH	1000	3.0	125	5.0	3.0	1.30	300	RGP30MA.

3.0 AMPERE / DO-214AA (SMB)
Superex II

PATENTED

RGF30D	200	3.0	115	5.0	3.0	1.30	150	R30D
RGF30G	400	3.0	115	5.0	3.0	1.30	150	R30G
RGF30J	600	3.0	115	5.0	3.0	1.30	250	R30J
RGF30JA	600	3.0	115	5.0	3.0	1.30	150	R30JA
RGF30K	800	3.0	115	5.0	3.0	1.30	500	R30K
RGF30KA	800	3.0	115	5.0	3.0	1.30	300	R30KA
RGF30M	1000	3.0	115	5.0	3.0	1.30	500	R30M
RGF30MA	1000	3.0	115	5.0	3.0	1.30	300	R30MA

3.0 AMPERE / DO-214AA (SMB) / Halogen-free
Superex II

PATENTED

RGF30DH	200	3.0	115	5.0	3.0	1.30	150	R30D.
RGF30GH	400	3.0	115	5.0	3.0	1.30	150	R30G.
RGF30JH	600	3.0	115	5.0	3.0	1.30	250	R30J.
RGF30JAH	600	3.0	115	5.0	3.0	1.30	150	R30JA.
RGF30KH	800	3.0	115	5.0	3.0	1.30	500	R30K.
RGF30KAH	800	3.0	115	5.0	3.0	1.30	300	R30KA.
RGF30MH	1000	3.0	115	5.0	3.0	1.30	500	R30M.
RGF30MAH	1000	3.0	115	5.0	3.0	1.30	300	R30MA.

SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENT RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C TA	Max. Forward Voltage @ 25°C TA		Max. Reverse Recovery Time	Marking
	VRRM	IO	IFSM (Surge)	IR	IF	VF	TRR @RG1	
	V	A	A	uA	A	V	nS	

1.0 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free
Superchip Superex II

PATENTED

SEGC10DH	200	1.0	15	5.0	1.0	1.00	50	10 ED.
SEGC10GH	400	1.0	15	5.0	1.0	1.25	50	10 EG.
SEGC10JH	600	1.0	15	5.0	1.0	1.70	75	10 EJ.
SEGC10KH	800	1.0	15	5.0	1.0	1.70	75	10 EK.
SEGC10MH	1000	1.0	15	5.0	1.0	1.70	75	10 EM.

1.0 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123) / Halogen-free
Superchip Superex II

PATENTED

BYD57ZDH	200	1.0	30	5.0	1.0	1.70	50	57 ZD.
BYD57ZGH	400	1.0	30	5.0	1.0	1.70	50	57 ZG.
BYD57ZJH	600	1.0	30	5.0	1.0	1.70	50	57 ZJ.
BYD57ZKH	800	1.0	25	5.0	1.0	1.70	75	57 ZK.
BYD57ZMH	1000	1.0	25	5.0	1.0	1.70	75	57 ZM.

1.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip Superex II

PATENTED

EGC10DH	200	1.0	30	5.0	1.0	1.00	50	EGC 10D.
EGC10GH	400	1.0	30	5.0	1.0	1.25	50	EGC 10G.
EGC10JH	600	1.0	25	5.0	1.0	1.70	75	EGC 10J.
EGC10KH	800	1.0	25	5.0	1.0	1.70	75	EGC 10K.
EGC10MH	1000	1.0	25	5.0	1.0	1.70	75	EGC 10M.

1.0 AMPERE / R-1
Superex II

PATENTED

EG110D	200	1.0	25	5.0	1.0	1.00	50	E1D
EG110G	400	1.0	25	5.0	1.0	1.25	50	E1G
EG110J	600	1.0	25	5.0	1.0	1.70	75	E1J
EG110K	800	1.0	25	5.0	1.0	1.70	75	E1K
EG110M	1000	1.0	25	5.0	1.0	1.70	75	E1M

1.0 AMPERE / DO-204AL (DO-41)
Superex II

PATENTED

EGP10D	200	1.0	30	5.0	1.0	1.00	50	EGP10D
EGP10G	400	1.0	30	5.0	1.0	1.25	50	EGP10G
EGP10J	600	1.0	30	5.0	1.0	1.70	75	EGP10J
EGP10K	800	1.0	30	5.0	1.0	1.70	75	EGP10K
EGP10M	1000	1.0	30	5.0	1.0	1.70	75	EGP10M

SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENT RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C TA	Max. Forward Voltage @ 25°C TA		Max. Reverse Recovery Time	Marking
	VRRM	IO	IFSM (Surge)	IR	IF	VF	TRR @RG1	
	V	A	A	uA	A	V	nS	

1.0 AMPERE / DO-204AL (DO-41) / Halogen-free
Superex II

PATENTED

EGP10DH	200	1.0	30	5.0	1.0	1.00	50	EGP10D.
EGP10GH	400	1.0	30	5.0	1.0	1.25	50	EGP10G.
EGP10JH	600	1.0	30	5.0	1.0	1.70	75	EGP10J.
EGP10KH	800	1.0	30	5.0	1.0	1.70	75	EGP10K.
EGP10MH	1000	1.0	30	5.0	1.0	1.70	75	EGP10M.

1.0 AMPERE / DO-214AC (SMA)
Superex II

PATENTED

EGF10D	200	1.0	30	5.0	1.0	1.00	50	E10D
EGF10G	400	1.0	30	5.0	1.0	1.25	50	E10G
EGF10J	600	1.0	30	5.0	1.0	1.70	75	E10J
EGF10K	800	1.0	30	5.0	1.0	1.70	75	E10K
EGF10M	1000	1.0	30	5.0	1.0	1.70	75	E10M

1.0 AMPERE / DO-214AC (SMA) / Halogen-free
Superex II

PATENTED

EGF10DH	200	1.0	30	5.0	1.0	1.00	50	E10D.
EGF10GH	400	1.0	30	5.0	1.0	1.25	50	E10G.
EGF10JH	600	1.0	30	5.0	1.0	1.70	75	E10J.
EGF10KH	800	1.0	30	5.0	1.0	1.70	75	E10K.
EGF10MH	1000	1.0	30	5.0	1.0	1.70	75	E10M.

2.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free
Superchip Superex II

PATENTED

EGC20DH	200	2.0	50	5.0	2.0	1.00	50	EGC 20D.
EGC20GH	400	2.0	50	5.0	2.0	1.25	50	EGC 20G.
EGC20JH	600	2.0	50	5.0	2.0	1.70	75	EGC 20J.
EGC20KH	800	2.0	50	5.0	2.0	1.70	75	EGC 20K.
EGC20MH	1000	2.0	50	5.0	2.0	1.70	75	EGC 20M.

2.0 AMPERE / DO-204AC (DO-15)
Superex II

PATENTED

EGP20D	200	2.0	65	5.0	2.0	1.00	50	EGP20D
EGP20G	400	2.0	65	5.0	2.0	1.25	50	EGP20G
EGP20J	600	2.0	60	5.0	2.0	1.70	75	EGP20J
EGP20K	800	2.0	60	5.0	2.0	1.70	75	EGP20K
EGP20M	1000	2.0	60	5.0	2.0	1.70	75	EGP20M

SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENT RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Max. Reverse Recovery Time	Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	T_{RR} @RG1	
	V	A	A	uA	A	V	nS	

2.0 AMPERE / DO-204AC (DO-15) / Halogen-free
Superex II

PATENTED

EGP20DH	200	2.0	65	5.0	2.0	1.00	50	EGP20D.
EGP20GH	400	2.0	65	5.0	2.0	1.25	50	EGP20G.
EGP20JH	600	2.0	60	5.0	2.0	1.70	75	EGP20J.
EGP20KH	800	2.0	60	5.0	2.0	1.70	75	EGP20K.
EGP20MH	1000	2.0	60	5.0	2.0	1.70	75	EGP20M.

2.0 AMPERE / DO-214AA (SMB)
Superex II

PATENTED

EGF20D	200	2.0	65	5.0	2.0	1.00	50	E20D
EGF20G	400	2.0	65	5.0	2.0	1.25	50	E20G
EGF20J	600	2.0	60	5.0	2.0	1.70	75	E20J
EGF20K	800	2.0	60	5.0	2.0	1.70	75	E20K
EGF20M	1000	2.0	60	5.0	2.0	1.70	75	E20M

2.0 AMPERE / DO-214AA (SMB) / Halogen-free
Superex II

PATENTED

EGF20DH	200	2.0	65	5.0	2.0	1.00	50	E20D.
EGF20GH	400	2.0	65	5.0	2.0	1.25	50	E20G.
EGF20JH	600	2.0	60	5.0	2.0	1.70	75	E20J.
EGF20KH	800	2.0	60	5.0	2.0	1.70	75	E20K.
EGF20MH	1000	2.0	60	5.0	2.0	1.70	75	E20M.

3.0 AMPERE / DO-201AD (DO-27)
Superex II

PATENTED

EGP30D	200	3.0	125	5.0	3.0	1.00	50	EGP30D
EGP30G	400	3.0	125	5.0	3.0	1.25	50	EGP30G
EGP30J	600	3.0	115	5.0	3.0	1.70	75	EGP30J
EGP30K	800	3.0	115	5.0	3.0	1.70	75	EGP30K
EGP30M	1000	3.0	115	5.0	3.0	1.70	75	EGP30M

3.0 AMPERE / DO-201AD (DO-27) / Halogen-free
Superex II

PATENTED

EGP30DH	200	3.0	125	5.0	3.0	1.00	50	EGP30D.
EGP30GH	400	3.0	125	5.0	3.0	1.25	50	EGP30G.
EGP30JH	600	3.0	115	5.0	3.0	1.70	75	EGP30J.
EGP30KH	800	3.0	115	5.0	3.0	1.70	75	EGP30K.
EGP30MH	1000	3.0	115	5.0	3.0	1.70	75	EGP30M.

SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENT RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Max. Reverse Recovery Time	Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	T_{RR} @RG1	
	V	A	A	uA	A	V	nS	

3.0 AMPERE / DO-214AA (SMB)
Superex II

PATENTED

EGF30D	200	3.0	115	5.0	3.0	1.00	50	E30D
EGF30G	400	3.0	115	5.0	3.0	1.25	50	E30G
EGF30J	600	3.0	105	5.0	3.0	1.70	75	E30J
EGF30K	800	3.0	105	5.0	3.0	1.70	75	E30K
EGF30M	1000	3.0	105	5.0	3.0	1.70	75	E30M

3.0 AMPERE / DO-214AA (SMB) / Halogen-free
Superex II

PATENTED

EGF30DH	200	3.0	115	5.0	3.0	1.00	50	E30D.
EGF30GH	400	3.0	115	5.0	3.0	1.25	50	E30G.
EGF30JH	600	3.0	105	5.0	3.0	1.70	75	E30J.
EGF30KH	800	3.0	105	5.0	3.0	1.70	75	E30K.
EGF30MH	1000	3.0	105	5.0	3.0	1.70	75	E30M.

5.0 AMPERE / DO-201AD (DO-27)
Superex II

PATENTED

EGP50D	200	5.0	150	5.0	5.0	1.25	50	EGP50D
EGP50G	400	5.0	150	5.0	5.0	1.25	50	EGP50G

5.0 AMPERE / DO-201AD (DO-27) / Halogen-free
Superex II

PATENTED

EGP50DH	200	5.0	150	5.0	5.0	1.25	50	EGP50D.
EGP50GH	400	5.0	150	5.0	5.0	1.25	50	EGP50G.

10.0 AMPERE / P-600
Superex II

PATENTED

EGP100D	200	10.0	250	3.0	10.0	0.95	60	EGP100D

10.0 AMPERE / P-600 / Halogen-free
Superex II

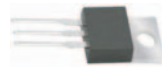
PATENTED

EGP100DH	200	10.0	250	3.0	10.0	0.95	60	EGP100D.

SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENT RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C TA	Max. Forward Voltage @ 25°C TA		Reverse Recovery Time	Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	T_{RR} @RG1	
	V	A	A	uA	A	V	nS	

10 AMPERE / TO-220AB
Superex II



PATENTED

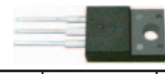
EGZ10DCT	200	10	125	5.0	5.0	1.00	50	EGZ10DCT
EGZ10GCT	400	10	125	5.0	5.0	1.25	50	EGZ10GCT
EGZ10JCT	600	10	125	5.0	5.0	1.70	75	EGZ10JCT

10 AMPERE / TO-220AB / Halogen-free
Superex II

PATENTED

EGZ10DCTH	200	10	125	5.0	5.0	1.00	50	EGZ10DCTH
EGZ10GCTH	400	10	125	5.0	5.0	1.25	50	EGZ10GCTH
EGZ10JCTH	600	10	125	5.0	5.0	1.70	75	EGZ10JCTH

10 AMPERE / ITO-220AB
Superex II



PATENTED

EGZ10DCF	200	10	125	5.0	5.0	1.00	50	EGZ10DCF
EGZ10GCF	400	10	125	5.0	5.0	1.25	50	EGZ10GCF
EGZ10JCF	600	10	125	5.0	5.0	1.70	75	EGZ10JCF

10 AMPERE / ITO-220AB / Halogen-free
Superex II

PATENTED

EGZ10DCFH	200	10	125	5.0	5.0	1.00	50	EGZ10DCFH
EGZ10GCFH	400	10	125	5.0	5.0	1.25	50	EGZ10GCFH
EGZ10JCFH	600	10	125	5.0	5.0	1.70	75	EGZ10JCFH

12 AMPERE / TO-220AB
Superex II

PATENTED

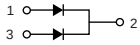
EGZ12DCT	200	12	125	5.0	6.0	1.00	50	EGZ12DCT
EGZ12GCT	400	12	125	5.0	6.0	1.25	50	EGZ12GCT
EGZ12JCT	600	12	125	5.0	6.0	1.70	75	EGZ12JCT

12 AMPERE / TO-220AB / Halogen-free
Superex II

PATENTED

EGZ12DCTH	200	12	125	5.0	6.0	1.00	50	EGZ12DCTH
EGZ12GCTH	400	12	125	5.0	6.0	1.25	50	EGZ12GCTH
EGZ12JCTH	600	12	125	5.0	6.0	1.70	75	EGZ12JCTH

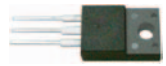
NOTE : CKT connection of TO-220AB and ITO-220AB



SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENT RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C TA	Max. Forward Voltage @ 25°C TA		Reverse Recovery Time	Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	T_{RR} @RG1	
	V	A	A	uA	A	V	nS	

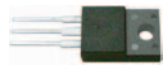
12 AMPERE / ITO-220AB
Superex II



PATENTED

EGZ12DCF	200	12	125	5.0	6.0	1.00	50	EGZ12DCF
EGZ12GCF	400	12	125	5.0	6.0	1.25	50	EGZ12GCF
EGZ12JCF	600	12	125	5.0	6.0	1.70	75	EGZ12JCF

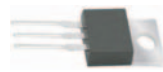
12 AMPERE / ITO-220AB / Halogen-free
Superex II



PATENTED

EGZ12DCFH	200	12	125	5.0	6.0	1.00	50	EGZ12DCFH
EGZ12GCFH	400	12	125	5.0	6.0	1.25	50	EGZ12GCFH
EGZ12JCFH	600	12	125	5.0	6.0	1.70	75	EGZ12JCFH

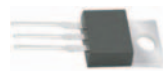
16 AMPERE / TO-220AB
Superex II



PATENTED

EGZ16DCT	200	16	125	5.0	8.0	1.00	50	EGZ16DCT
EGZ16GCT	400	16	125	5.0	8.0	1.25	50	EGZ16GCT
EGZ16JCT	600	16	125	5.0	8.0	1.70	75	EGZ16JCT

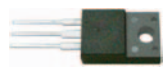
16 AMPERE / TO-220AB / Halogen-free
Superex II



PATENTED

EGZ16DCTH	200	16	125	5.0	8.0	1.00	50	EGZ16DCTH
EGZ16GCTH	400	16	125	5.0	8.0	1.25	50	EGZ16GCTH
EGZ16JCTH	600	16	125	5.0	8.0	1.70	75	EGZ16JCTH

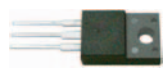
16 AMPERE / ITO-220AB
Superex II



PATENTED

EGZ16DCF	200	16	125	5.0	8.0	1.00	50	EGZ16DCF
EGZ16GCF	400	16	125	5.0	8.0	1.25	50	EGZ16GCF
EGZ16JCF	600	16	125	5.0	8.0	1.70	75	EGZ16JCF

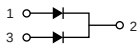
16 AMPERE / ITO-220AB / Halogen-free
Superex II



PATENTED

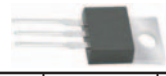
EGZ16DCFH	200	16	125	5.0	8.0	1.00	50	EGZ16DCFH
EGZ16GCFH	400	16	125	5.0	8.0	1.25	50	EGZ16GCFH
EGZ16JCFH	600	16	125	5.0	8.0	1.70	75	EGZ16JCFH

NOTE : CKT connection of TO-220AB and ITO-220AB



SINTERED GLASS PASSIVATED JUNCTION HIGH EFFICIENT RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C TA	Max. Forward Voltage @ 25°C TA		Reverse Recovery Time	Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	T_{RR} @RG1	
	V	A	A	uA	A	V	nS	
20 AMPERE / TO-220AB *Superex II*								
EGZ20DCT	200	20	150	5.0	10.0	1.00	50	EGZ20DCT
EGZ20GCT	400	20	150	5.0	10.0	1.25	50	EGZ20GCT
EGZ20JCT	600	20	150	5.0	10.0	1.70	75	EGZ20JCT
20 AMPERE / TO-220AB / Halogen-free *Superex II*								
EGZ20DCTH	200	20	150	5.0	10.0	1.00	50	EGZ20DCTH
EGZ20GCTH	400	20	150	5.0	10.0	1.25	50	EGZ20GCTH
EGZ20JCTH	600	20	150	5.0	10.0	1.70	75	EGZ20JCTH
20 AMPERE / ITO-220AB *Superex II*								
EGZ20DCF	200	20	150	5.0	10.0	1.00	50	EGZ20DCF
EGZ20GCF	400	20	150	5.0	10.0	1.25	50	EGZ20GCF
EGZ20JCF	600	20	150	5.0	10.0	1.70	75	EGZ20JCF
20 AMPERE / ITO-220AB / Halogen-free *Superex II*								
EGZ20DCFH	200	20	150	5.0	10.0	1.00	50	EGZ20DCFH
EGZ20GCFH	400	20	150	5.0	10.0	1.25	50	EGZ20GCFH
EGZ20JCFH	600	20	150	5.0	10.0	1.70	75	EGZ20JCFH



PATENTED

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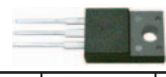

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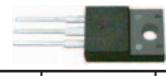
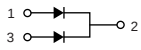


PATENTED

NOTE : CKT connection of TO-220AB and ITO-220AB



SINTERED GLASS PASSIVATED JUNCTION ULTRAFAST EFFICIENT RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C TA	Max. Forward Voltage @ 25°C TA		Reverse Recovery Time	Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	T_{RR} @RG1	
	V	A	A	uA	A	V	nS	
1.0 AMPERE / 1206-S (Equivalent to SOD-123) / Halogen-free *Superchip Superex II*								**PATENTED**
SUGC10DH	200	1.0	15	5.0	1.0	0.96	35	10 UD.
SUGC10GH	400	1.0	15	5.0	1.0	1.30	35	10 UG.
SUGC10JH	600	1.0	15	5.0	1.0	1.70	35	10 UJ.
SUGC10KH	800	1.0	15	5.0	1.0	2.50	35	10 UK.
1.0 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123) / Halogen-free *Superchip Superex II*								**PATENTED**
BYD77ZDH	200	1.0	30	1.0	1.0	1.00	50	77 ZD.
BYD77ZGH	400	1.0	30	1.0	1.0	1.00	50	77 ZG.
1.0 AMPERE / 1206 (Equivalent to SOD-87 , GL1M , SOD-123) / Halogen-free *Superchip Superex II*								**PATENTED**
BYD127ZH	200	1.0	30	2.0	1.0	0.96	35	127 Z.
BYD147ZH	400	1.0	30	2.0	1.0	1.30	35	147 Z.
BYD167ZH	600	1.0	30	5.0	1.0	1.70	35	167 Z.
BYD187ZH	800	1.0	25	5.0	1.0	2.50	35	187 Z.
1.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free *Superchip Superex II*								**PATENTED**
UGC10DH	200	1.0	30	5.0	1.0	0.95	35	UGC 10D.
UGC10GH	400	1.0	30	5.0	1.0	1.25	35	UGC 10G.
UGC10JH	600	1.0	25	5.0	1.0	1.70	35	UGC 10J.
UGC10KH	800	1.0	25	5.0	1.0	2.20	35	UGC 10K.
1.0 AMPERE / R-1 *Superex II*								**PATENTED**
UG110D	200	1.0	25	5.0	1.0	0.95	35	U1D
UG110G	400	1.0	25	5.0	1.0	1.25	35	U1G
UG110J	600	1.0	25	5.0	1.0	1.70	35	U1J
UG110K	800	1.0	25	5.0	1.0	2.20	35	U1K
1.0 AMPERE / DO-204AL (DO-41) *Superex II*								**PATENTED**
UGP10D	200	1.0	30	5.0	1.0	0.95	35	UGP10D
UGP10G	400	1.0	30	5.0	1.0	1.25	35	UGP10G
UGP10J	600	1.0	25	5.0	1.0	1.70	35	UGP10J
UGP10K	800	1.0	25	5.0	1.0	2.20	35	UGP10K

SINTERED GLASS PASSIVATED JUNCTION ULTRAFAST EFFICIENT RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C TA	Max. Forward Voltage @ 25°C TA		Reverse Recovery Time	Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	T_{RR} @RG1	
	V	A	A	uA	A	V	nS	
1.0 AMPERE / DO-204AL (DO-41) / Halogen-free ***Superex II***								**PATENTED**
UGP10DH	200	1.0	30	5.0	1.0	0.95	35	UGP10D.
UGP10GH	400	1.0	30	5.0	1.0	1.25	35	UGP10G.
UGP10JH	600	1.0	25	5.0	1.0	1.70	35	UGP10J.
UGP10KH	800	1.0	25	5.0	1.0	2.20	35	UGP10K.
1.0 AMPERE / DO-214AC (SMA) ***Superex II***								**PATENTED**
UGF10D	200	1.0	30	5.0	1.0	0.95	35	U10D
UGF10G	400	1.0	30	5.0	1.0	1.25	35	U10G
UGF10J	600	1.0	25	5.0	1.0	1.70	35	U10J
UGF10K	800	1.0	25	5.0	1.0	2.20	35	U10K
1.0 AMPERE / DO-214AC (SMA) / Halogen-free ***Superex II***								**PATENTED**
UGF10DH	200	1.0	30	5.0	1.0	0.95	35	U10D.
UGF10GH	400	1.0	30	5.0	1.0	1.25	35	U10G.
UGF10JH	600	1.0	25	5.0	1.0	1.70	35	U10J.
UGF10KH	800	1.0	25	5.0	1.0	2.20	35	U10K.
2.0 AMPERE / 2010 (Equivalent to DO-214AC / SMA) / Halogen-free ***Superchip Superex II***								**PATENTED**
UGC20DH	200	2.0	50	5.0	2.0	0.95	35	UGC 20D.
UGC20GH	400	2.0	50	5.0	2.0	1.25	35	UGC 20G.
UGC20JH	600	2.0	50	5.0	2.0	1.70	35	UGC 20J.
UGC20KH	800	2.0	50	5.0	2.0	2.20	35	UGC 20K.
2.0 AMPERE / DO-204AC (DO-15) ***Superex II***								**PATENTED**
UGP20D	200	2.0	65	5.0	2.0	0.95	35	UGP20D
UGP20G	400	2.0	65	5.0	2.0	1.25	35	UGP20G
UGP20J	600	2.0	60	5.0	2.0	1.70	35	UGP20J
UGP20K	800	2.0	60	5.0	2.0	2.20	35	UGP20K
2.0 AMPERE / DO-204AC (DO-15) / Halogen-free ***Superex II***								**PATENTED**
UGP20DH	200	2.0	65	5.0	2.0	0.95	35	UGP20D.
UGP20GH	400	2.0	65	5.0	2.0	1.25	35	UGP20G.
UGP20JH	600	2.0	60	5.0	2.0	1.70	35	UGP20J.
UGP20KH	800	2.0	60	5.0	2.0	2.20	35	UGP20K.

SINTERED GLASS PASSIVATED JUNCTION ULTRAFAST EFFICIENT RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C TA	Max. Forward Voltage @ 25°C TA		Reverse Recovery Time	Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	T_{RR} @RG1	
	V	A	A	uA	A	V	nS	

2.0 AMPERE / DO-214AA (SMB)
Superex II

PATENTED

UGF20D	200	2.0	65	5.0	2.0	0.95	35	U20D
UGF20G	400	2.0	65	5.0	2.0	1.25	35	U20G
UGF20J	600	2.0	60	5.0	2.0	1.70	35	U20J
UGF20K	800	2.0	60	5.0	2.0	2.20	35	U20K

2.0 AMPERE / DO-214AA (SMB) / Halogen-free
Superex II

PATENTED

UGF20DH	200	2.0	65	5.0	2.0	0.95	35	U20D.
UGF20GH	400	2.0	65	5.0	2.0	1.25	35	U20G.
UGF20JH	600	2.0	60	5.0	2.0	1.70	35	U20J.
UGF20KH	800	2.0	60	5.0	2.0	2.20	35	U20K.

3.0 AMPERE / DO-201AD (DO-27)
Superex II

PATENTED

UGP30D	200	3.0	125	5.0	3.0	0.95	35	UGP30D
UGP30G	400	3.0	125	5.0	3.0	1.25	35	UGP30G
UGP30J	600	3.0	115	5.0	3.0	1.70	35	UGP30J
UGP30K	800	3.0	115	5.0	3.0	2.20	35	UGP30K

3.0 AMPERE / DO-201AD (DO-27) / Halogen-free
Superex II

PATENTED

UGP30DH	200	3.0	125	5.0	3.0	0.95	35	UGP30D.
UGP30GH	400	3.0	125	5.0	3.0	1.25	35	UGP30G.
UGP30JH	600	3.0	115	5.0	3.0	1.70	35	UGP30J.
UGP30KH	800	3.0	115	5.0	3.0	2.20	35	UGP30K.

3.0 AMPERE / DO-214AA (SMB)
Superex II

PATENTED

UGF30D	200	3.0	115	5.0	3.0	0.95	35	U30D
UGF30G	400	3.0	115	5.0	3.0	1.25	35	U30G
UGF30J	600	3.0	105	5.0	3.0	1.70	35	U30J
UGF30K	800	3.0	105	5.0	3.0	2.20	35	U30K

3.0 AMPERE / DO-214AA (SMB) / Halogen-free
Superex II

PATENTED

UGF30DH	200	3.0	115	5.0	3.0	0.95	35	U30D.
UGF30GH	400	3.0	115	5.0	3.0	1.25	35	U30G.
UGF30JH	600	3.0	105	5.0	3.0	1.70	35	U30J.
UGF30KH	800	3.0	105	5.0	3.0	2.20	35	U30K.

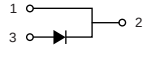
SINTERED GLASS PASSIVATED JUNCTION ULTRAFAST EFFICIENT RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C TA	Max. Forward Voltage @ 25°C TA		Reverse Recovery Time	Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	T_{RR} @RG1	
	V	A	A	uA	A	V	nS	
4.0 AMPERE / DO-201AD (DO-27) *Superex II*								**PATENTED**
MUR420	200	4.0	150	10.0	4.0	1.28	50	MUR420
MUR460	600	4.0	150	10.0	4.0	1.28	50	MUR460
4.0 AMPERE / DO-201AD (DO-27) / Halogen-free *Superex II*								**PATENTED**
MUR420H	200	4.0	150	10.0	4.0	1.28	50	MUR420.
MUR460H	600	4.0	150	10.0	4.0	1.28	50	MUR460.
5.0 AMPERE / DO-201AD (DO-27) *Superex II*								**PATENTED**
UGP50D	200	5.0	150	5.0	5.0	1.10	35	UGP50D
UGP50G	400	5.0	150	5.0	5.0	1.25	35	UGP50G
UGP50J	600	5.0	150	5.0	5.0	1.70	35	UGP50J
5.0 AMPERE / DO-201AD (DO-27) / Halogen-free *Superex II*								**PATENTED**
UGP50DH	200	5.0	150	5.0	5.0	1.10	35	UGP50D.
UGP50GH	400	5.0	150	5.0	5.0	1.25	35	UGP50G.
UGP50JH	600	5.0	150	5.0	5.0	1.70	35	UGP50J.

SINTERED GLASS PASSIVATED JUNCTION ULTRAFAST EFFICIENT RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C TA	Max. Forward Voltage @ 25°C TA		Reverse Recovery Time	Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	T_{RR} @RG1	
	V	A	A	uA	A	V	nS	
6.0 AMPERE / TO-220AC ***Superex II***								***PATENTED***
UGZ6DT	200	6.0	90	5.0	6.0	1.10	35	UGZ6DT
UGZ6GT	400	6.0	90	5.0	6.0	1.30	35	UGZ6GT
UGZ6JT	600	6.0	90	5.0	6.0	1.70	35	UGZ6JT
6.0 AMPERE / TO-220AC / Halogen-free ***Superex II***								***PATENTED***
UGZ6DTH	200	6.0	90	5.0	6.0	1.10	35	UGZ6DTH
UGZ6GTH	400	6.0	90	5.0	6.0	1.30	35	UGZ6GTH
UGZ6JTH	600	6.0	90	5.0	6.0	1.70	35	UGZ6JTH
6.0 AMPERE / ITO-220AC ***Superex II***								***PATENTED***
UGZ6DF	200	6.0	90	5.0	6.0	1.10	35	UGZ6DF
UGZ6GF	400	6.0	90	5.0	6.0	1.30	35	UGZ6GF
UGZ6JF	600	6.0	90	5.0	6.0	1.70	35	UGZ6JF
6.0 AMPERE / ITO-220AC / Halogen-free ***Superex II***								***PATENTED***
UGZ6DFH	200	6.0	90	5.0	6.0	1.10	35	UGZ6DFH
UGZ6GFH	400	6.0	90	5.0	6.0	1.30	35	UGZ6GFH
UGZ6JFH	600	6.0	90	5.0	6.0	1.70	35	UGZ6JFH
8.0 AMPERE / TO-220AC ***Superex II***								***PATENTED***
UGZ8DT	200	8.0	125	5.0	8.0	1.10	35	UGZ8DT
UGZ8GT	400	8.0	125	5.0	8.0	1.30	35	UGZ8GT
UGZ8JT	600	8.0	125	5.0	8.0	1.70	35	UGZ8JT
8.0 AMPERE / TO-220AC / Halogen-free ***Superex II***								***PATENTED***
UGZ8DTH	200	8.0	125	5.0	8.0	1.10	35	UGZ8DTH
UGZ8GTH	400	8.0	125	5.0	8.0	1.30	35	UGZ8GTH
UGZ8JTH	600	8.0	125	5.0	8.0	1.70	35	UGZ8JTH

NOTE : CKT connection of TO-220AC and ITO-220AC



SINTERED GLASS PASSIVATED JUNCTION ULTRAFAST EFFICIENT RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C TA	Max. Forward Voltage @ 25°C TA		Reverse Recovery Time	Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	T_{RR} @RG1	
	V	A	A	uA	A	V	nS	

8.0 AMPERE / ITO-220AC
Superex II

PATENTED

UGZ8DF	200	8.0	125	5.0	8.0	1.10	35	UGZ8DF
UGZ8GF	400	8.0	125	5.0	8.0	1.30	35	UGZ8GF
UGZ8JF	600	8.0	125	5.0	8.0	1.70	35	UGZ8JF

8.0 AMPERE / ITO-220AC / Halogen-free
Superex II

PATENTED

UGZ8DFH	200	8.0	125	5.0	8.0	1.10	35	UGZ8DFH
UGZ8GFH	400	8.0	125	5.0	8.0	1.30	35	UGZ8GFH
UGZ8JFH	600	8.0	125	5.0	8.0	1.70	35	UGZ8JFH

10 AMPERE / TO-220AC
Superex II

PATENTED

UGZ10DT	200	10	150	5.0	10.0	1.10	35	UGZ10DT
UGZ10GT	400	10	150	5.0	10.0	1.30	35	UGZ10GT
UGZ10JT	600	10	150	5.0	10.0	1.70	35	UGZ10JT

10 AMPERE / TO-220AC / Halogen-free
Superex II

PATENTED

UGZ10DTH	200	10	150	5.0	10.0	1.10	35	UGZ10DTH
UGZ10GTH	400	10	150	5.0	10.0	1.30	35	UGZ10GTH
UGZ10JTH	600	10	150	5.0	10.0	1.70	35	UGZ10JTH

10 AMPERE / ITO-220AC
Superex II

PATENTED

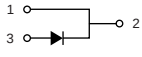
UGZ10DF	200	10	150	5.0	10.0	1.10	35	UGZ10DF
UGZ10GF	400	10	150	5.0	10.0	1.30	35	UGZ10GF
UGZ10JF	600	10	150	5.0	10.0	1.70	35	UGZ10JF

10 AMPERE / ITO-220AC / Halogen-free
Superex II

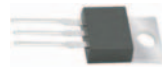
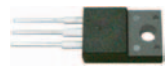
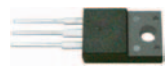
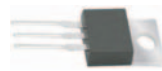
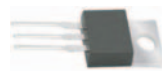
PATENTED

UGZ10DFH	200	10	150	5.0	10.0	1.10	35	UGZ10DFH
UGZ10GFH	400	10	150	5.0	10.0	1.30	35	UGZ10GFH
UGZ10JFH	600	10	150	5.0	10.0	1.70	35	UGZ10JFH

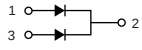
NOTE : CKT connection of TO-220AC and ITO-220AC



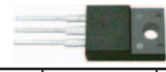
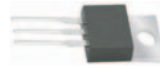
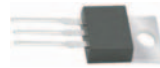
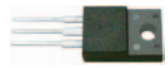
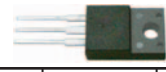
SINTERED GLASS PASSIVATED JUNCTION ULTRAFAST EFFICIENT RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C TA	Max. Forward Voltage @ 25°C TA		Reverse Recovery Time	Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	T_{RR} @RG1	
	V	A	A	uA	A	V	nS	
10 AMPERE / TO-220AB ***Superex II***								 ***PATENTED***
UGZ10DCT	200	10	125	5.0	5.0	1.10	35	UGZ10DCT
UGZ10GCT	400	10	125	5.0	5.0	1.30	35	UGZ10GCT
UGZ10JCT	600	10	125	5.0	5.0	1.70	35	UGZ10JCT
10 AMPERE / TO-220AB / Halogen-free ***Superex II***								 ***PATENTED***
UGZ10DCTH	200	10	125	5.0	5.0	1.10	35	UGZ10DCTH
UGZ10GCTH	400	10	125	5.0	5.0	1.30	35	UGZ10GCTH
UGZ10JCTH	600	10	125	5.0	5.0	1.70	35	UGZ10JCTH
10 AMPERE / ITO-220AB ***Superex II***								 ***PATENTED***
UGZ10DCF	200	10	125	5.0	5.0	1.10	35	UGZ10DCF
UGZ10GCF	400	10	125	5.0	5.0	1.30	35	UGZ10GCF
UGZ10JCF	600	10	125	5.0	5.0	1.70	35	UGZ10JCF
10 AMPERE / ITO-220AB / Halogen-free ***Superex II***								 ***PATENTED***
UGZ10DCFH	200	10	125	5.0	5.0	1.10	35	UGZ10DCFH
UGZ10GCFH	400	10	125	5.0	5.0	1.30	35	UGZ10GCFH
UGZ10JCFH	600	10	125	5.0	5.0	1.70	35	UGZ10JCFH
16 AMPERE / TO-220AB ***Superex II***								 ***PATENTED***
UGZ16DCT	200	16	150	5.0	8.0	1.10	35	UGZ16DCT
UGZ16GCT	400	16	125	5.0	8.0	1.30	35	UGZ16GCT
UGZ16JCT	600	16	125	5.0	8.0	1.70	35	UGZ16JCT
16 AMPERE / TO-220AB / Halogen-free ***Superex II***								 ***PATENTED***
UGZ16DCTH	200	16	150	5.0	8.0	1.10	35	UGZ16DCTH
UGZ16GCTH	400	16	125	5.0	8.0	1.30	35	UGZ16GCTH
UGZ16JCTH	600	16	125	5.0	8.0	1.70	35	UGZ16JCTH

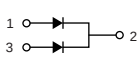
NOTE : CKT connection of TO-220AB and ITO-220AB



SINTERED GLASS PASSIVATED JUNCTION ULTRAFAST EFFICIENT RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C TA	Max. Forward Voltage @ 25°C TA		Reverse Recovery Time	Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	T_{RR} @RG1	
	V	A	A	uA	A	V	nS	
16 AMPERE / ITO-220AB ***Superex II***								 ***PATENTED***
UGZ16DCF	200	16	150	5.0	8.0	1.10	35	UGZ16DCF
UGZ16GCF	400	16	125	5.0	8.0	1.30	35	UGZ16GCF
UGZ16JCF	600	16	125	5.0	8.0	1.70	35	UGZ16JCF
16 AMPERE / ITO-220AB / Halogen-free ***Superex II***								 ***PATENTED***
UGZ16DCFH	200	16	150	5.0	8.0	1.10	35	UGZ16DCFH
UGZ16GCFH	400	16	125	5.0	8.0	1.30	35	UGZ16GCFH
UGZ16JCFH	600	16	125	5.0	8.0	1.70	35	UGZ16JCFH
20 AMPERE / TO-220AB ***Superex II***								 ***PATENTED***
UGZ20DCT	200	20	150	5.0	10.0	1.10	35	UGZ20DCT
UGZ20GCT	400	20	125	5.0	10.0	1.30	35	UGZ20GCT
UGZ20JCT	600	20	125	5.0	10.0	1.70	35	UGZ20JCT
20 AMPERE / TO-220AB / Halogen-free ***Superex II***								 ***PATENTED***
UGZ20DCTH	200	20	150	5.0	10.0	1.10	35	UGZ20DCTH
UGZ20GCTH	400	20	125	5.0	10.0	1.30	35	UGZ20GCTH
UGZ20JCTH	600	20	125	5.0	10.0	1.70	35	UGZ20JCTH
20 AMPERE / ITO-220AB ***Superex II***								 ***PATENTED***
UGZ20DCF	200	20	150	5.0	10.0	1.10	35	UGZ20DCF
UGZ20GCF	400	20	125	5.0	10.0	1.30	35	UGZ20GCF
UGZ20JCF	600	20	125	5.0	10.0	1.70	35	UGZ20JCF
20 AMPERE / ITO-220AB / Halogen-free ***Superex II***								 ***PATENTED***
UGZ20DCFH	200	20	150	5.0	10.0	1.10	35	UGZ20DCFH
UGZ20GCFH	400	20	125	5.0	10.0	1.30	35	UGZ20GCFH
UGZ20JCFH	600	20	125	5.0	10.0	1.70	35	UGZ20JCFH

NOTE : CKT connection of TO-220AB and ITO-220AB



SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	uA	A	V	

NEW

0.8 AMPERE / MBC / Halogen-free
Superchip Superex II

PATENTED

MBC08JH	600	0.8	30	5.0	0.4	0.90	MBC 08J.
MBC08KH	800	0.8	30	5.0	0.4	0.90	MBC 08K.
MBC08MH	1000	0.8	30	5.0	0.4	0.90	MBC 08M.

1.0 AMPERE / MBCR / Halogen-free
Superchip Superex II

PATENTED

MBCR10JH	600	1.0	30	5.0	1.0	1.00	MBCR 10J.
MBCR10KH	800	1.0	30	5.0	1.0	1.00	MBCR 10K.
MBCR10MH	1000	1.0	30	5.0	1.0	1.00	MBCR 10M.

Low VF

1.0 AMPERE / MBCR / Halogen-free
Superchip Superex II

PATENTED

MBCR10JLH	600	1.0	45	5.0	1.0	0.95	MBCR 10JL.
MBCR10KLH	800	1.0	45	5.0	1.0	0.95	MBCR 10KL.
MBCR10MLH	1000	1.0	45	5.0	1.0	0.95	MBCR 10ML.

NEW Low VF

2.0 AMPERE / MBCR / Halogen-free
Superchip Superex II

PATENTED

MBCR20JLH *	600	2.0	60	5.0	2.0	0.95	MBCR 20JL.
MBCR20KLH *	800	2.0	60	5.0	2.0	0.95	MBCR 20KL.
MBCR20MLH *	1000	2.0	60	5.0	2.0	0.95	MBCR 20ML.

NOTE : " * " The preliminary specification.

NEW Low VF

2.0 AMPERE / MBCS / Halogen-free
Superchip

PATENTED

MBCS20JH *	600	2.0	50	5.0	2.0	0.95	MBCS 20J.
MBCS20KH *	800	2.0	50	5.0	2.0	0.95	MBCS 20K.
MBCS20MH *	1000	2.0	50	5.0	2.0	0.95	MBCS 20M.

NOTE : " * " The objective specification for product development.

NEW Low VF

4.0 AMPERE / MBCS / Halogen-free
Superchip

PATENTED

MBCS40JH *	600	4.0	150	5.0	2.0	0.90	MBCS 40J.
MBCS40KH *	800	4.0	150	5.0	2.0	0.90	MBCS 40K.
MBCS40MH *	1000	4.0	150	5.0	2.0	0.90	MBCS 40M.

NOTE : " * " The objective specification for product development.

SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	uA	A	V	

1.0 AMPERE / DFM

DF02	200	1.0	50	5.0	1.0	1.10	DF02
DF04	400	1.0	50	5.0	1.0	1.10	DF04
DF06	600	1.0	50	5.0	1.0	1.10	DF06
DF08	800	1.0	50	5.0	1.0	1.10	DF08
DF10	1000	1.0	50	5.0	1.0	1.10	DF10

1.0 AMPERE / DFM / Halogen-free

DF02H	200	1.0	50	5.0	1.0	1.10	DF02.
DF04H	400	1.0	50	5.0	1.0	1.10	DF04.
DF06H	600	1.0	50	5.0	1.0	1.10	DF06.
DF08H	800	1.0	50	5.0	1.0	1.10	DF08.
DF10H	1000	1.0	50	5.0	1.0	1.10	DF10.

1.0 AMPERE / DFS

DF02S	200	1.0	50	5.0	1.0	1.10	DF02S
DF04S	400	1.0	50	5.0	1.0	1.10	DF04S
DF06S	600	1.0	50	5.0	1.0	1.10	DF06S
DF08S	800	1.0	50	5.0	1.0	1.10	DF08S
DF10S	1000	1.0	50	5.0	1.0	1.10	DF10S

1.0 AMPERE / DFS / Halogen-free

DF02SH	200	1.0	50	5.0	1.0	1.10	DF02S.
DF04SH	400	1.0	50	5.0	1.0	1.10	DF04S.
DF06SH	600	1.0	50	5.0	1.0	1.10	DF06S.
DF08SH	800	1.0	50	5.0	1.0	1.10	DF08S.
DF10SH	1000	1.0	50	5.0	1.0	1.10	DF10S.

1.5 AMPERE / DFM

DF1502	200	1.5	50	5.0	1.5	1.10	DF1502
DF1504	400	1.5	50	5.0	1.5	1.10	DF1504
DF1506	600	1.5	50	5.0	1.5	1.10	DF1506
DF1508	800	1.5	50	5.0	1.5	1.10	DF1508
DF1510	1000	1.5	50	5.0	1.5	1.10	DF1510

SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	uA	A	V	

1.5 AMPERE / DFM / Halogen-free

DF1502H	200	1.5	50	5.0	1.5	1.10	DF1502.
DF1504H	400	1.5	50	5.0	1.5	1.10	DF1504.
DF1506H	600	1.5	50	5.0	1.5	1.10	DF1506.
DF1508H	800	1.5	50	5.0	1.5	1.10	DF1508.
DF1510H	1000	1.5	50	5.0	1.5	1.10	DF1510.

1.5 AMPERE / DFS

DF1502S	200	1.5	50	5.0	1.5	1.10	DF1502S
DF1504S	400	1.5	50	5.0	1.5	1.10	DF1504S
DF1506S	600	1.5	50	5.0	1.5	1.10	DF1506S
DF1508S	800	1.5	50	5.0	1.5	1.10	DF1508S
DF1510S	1000	1.5	50	5.0	1.5	1.10	DF1510S

1.5 AMPERE / DFS / Halogen-free

DF1502SH	200	1.5	50	5.0	1.5	1.10	DF1502S.
DF1504SH	400	1.5	50	5.0	1.5	1.10	DF1504S.
DF1506SH	600	1.5	50	5.0	1.5	1.10	DF1506S.
DF1508SH	800	1.5	50	5.0	1.5	1.10	DF1508S.
DF1510SH	1000	1.5	50	5.0	1.5	1.10	DF1510S.

2.0 AMPERE / GBP

GBP202	200	2.0	60	5.0	2.0	1.10	GBP202
GBP204	400	2.0	60	5.0	2.0	1.10	GBP204
GBP206	600	2.0	60	5.0	2.0	1.10	GBP206
GBP208	800	2.0	60	5.0	2.0	1.10	GBP208
GBP210	1000	2.0	60	5.0	2.0	1.10	GBP210

2.0 AMPERE / GBP / Halogen-free

GBP202H	200	2.0	60	5.0	2.0	1.10	GBP202.
GBP204H	400	2.0	60	5.0	2.0	1.10	GBP204.
GBP206H	600	2.0	60	5.0	2.0	1.10	GBP206.
GBP208H	800	2.0	60	5.0	2.0	1.10	GBP208.
GBP210H	1000	2.0	60	5.0	2.0	1.10	GBP210.

SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	uA	A	V	

4.0 AMPERE / KBL

KBL02	200	4.0	125	5.0	2.0	1.10	KBL02
KBL04	400	4.0	125	5.0	2.0	1.10	KBL04
KBL06	600	4.0	125	5.0	2.0	1.10	KBL06
KBL08	800	4.0	125	5.0	2.0	1.10	KBL08
KBL10	1000	4.0	125	5.0	2.0	1.10	KBL10

4.0 AMPERE / KBL / Halogen-free

KBL02H	200	4.0	125	5.0	2.0	1.10	KBL02.
KBL04H	400	4.0	125	5.0	2.0	1.10	KBL04.
KBL06H	600	4.0	125	5.0	2.0	1.10	KBL06.
KBL08H	800	4.0	125	5.0	2.0	1.10	KBL08.
KBL10H	1000	4.0	125	5.0	2.0	1.10	KBL10.

4.0 AMPERE / GBL

GBL02	200	4.0	150	5.0	2.0	1.00	GBL02
GBL04	400	4.0	150	5.0	2.0	1.00	GBL04
GBL06	600	4.0	150	5.0	2.0	1.00	GBL06
GBL08	800	4.0	150	5.0	2.0	1.00	GBL08
GBL10	1000	4.0	150	5.0	2.0	1.00	GBL10

4.0 AMPERE / GBL / Halogen-free

GBL02H	200	4.0	150	5.0	2.0	1.00	GBL02.
GBL04H	400	4.0	150	5.0	2.0	1.00	GBL04.
GBL06H	600	4.0	150	5.0	2.0	1.00	GBL06.
GBL08H	800	4.0	150	5.0	2.0	1.00	GBL08.
GBL10H	1000	4.0	150	5.0	2.0	1.00	GBL10.

NEW Low VF

4.0 AMPERE / GBL-L

GBL02L *	200	4.0	160	5.0	2.0	0.89	GBL02 L
GBL04L *	400	4.0	160	5.0	2.0	0.89	GBL04 L
GBL06L *	600	4.0	160	5.0	2.0	0.89	GBL06 L

NOTE : " * " The Preliminary Specification.

NEW Low VF

4.0 AMPERE / GBL-L / Halogen-free

GBL02LH *	200	4.0	160	5.0	2.0	0.89	GBL02. L
GBL04LH *	400	4.0	160	5.0	2.0	0.89	GBL04. L
GBL06LH *	600	4.0	160	5.0	2.0	0.89	GBL06. L

NOTE : " * " The Preliminary Specification.

SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

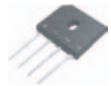
TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	uA	A	V	

4.0 AMPERE / KBJ

KBJ4D	200	4.0	120	5.0	2.0	1.00	KBJ4D
KBJ4G	400	4.0	120	5.0	2.0	1.00	KBJ4G
KBJ4J	600	4.0	120	5.0	2.0	1.00	KBJ4J
KBJ4K	800	4.0	120	5.0	2.0	1.00	KBJ4K
KBJ4M	1000	4.0	120	5.0	2.0	1.00	KBJ4M

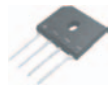
4.0 AMPERE / KBJ / Halogen-free

KBJ4DH	200	4.0	120	5.0	2.0	1.00	KBJ4D.
KBJ4GH	400	4.0	120	5.0	2.0	1.00	KBJ4G.
KBJ4JH	600	4.0	120	5.0	2.0	1.00	KBJ4J.
KBJ4KH	800	4.0	120	5.0	2.0	1.00	KBJ4K.
KBJ4MH	1000	4.0	120	5.0	2.0	1.00	KBJ4M.



4.0 AMPERE / GBU

GBU402	200	4.0	150	5.0	2.0	1.00	GBU402
GBU404	400	4.0	150	5.0	2.0	1.00	GBU404
GBU406	600	4.0	150	5.0	2.0	1.00	GBU406
GBU408	800	4.0	150	5.0	2.0	1.00	GBU408
GBU410	1000	4.0	150	5.0	2.0	1.00	GBU410



4.0 AMPERE / GBU / Halogen-free

GBU402H	200	4.0	150	5.0	2.0	1.00	GBU402.
GBU404H	400	4.0	150	5.0	2.0	1.00	GBU404.
GBU406H	600	4.0	150	5.0	2.0	1.00	GBU406.
GBU408H	800	4.0	150	5.0	2.0	1.00	GBU408.
GBU410H	1000	4.0	150	5.0	2.0	1.00	GBU410.

6.0 AMPERE / KBJ

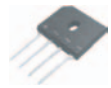
KBJ6D	200	6.0	170	5.0	3.0	1.00	KBJ6D
KBJ6G	400	6.0	170	5.0	3.0	1.00	KBJ6G
KBJ6J	600	6.0	170	5.0	3.0	1.00	KBJ6J
KBJ6K	800	6.0	170	5.0	3.0	1.00	KBJ6K
KBJ6M	1000	6.0	170	5.0	3.0	1.00	KBJ6M

SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	uA	A	V	

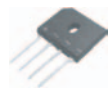
6.0 AMPERE / KBJ / Halogen-free

KBJ6DH	200	6.0	170	5.0	3.0	1.00	KBJ6D.
KBJ6GH	400	6.0	170	5.0	3.0	1.00	KBJ6G.
KBJ6JH	600	6.0	170	5.0	3.0	1.00	KBJ6J.
KBJ6KH	800	6.0	170	5.0	3.0	1.00	KBJ6K.
KBJ6MH	1000	6.0	170	5.0	3.0	1.00	KBJ6M.



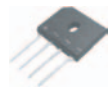
6.0 AMPERE / GBU

GBU602	200	6.0	175	5.0	3.0	1.00	GBU602
GBU604	400	6.0	175	5.0	3.0	1.00	GBU604
GBU606	600	6.0	175	5.0	3.0	1.00	GBU606
GBU608	800	6.0	175	5.0	3.0	1.00	GBU608
GBU610	1000	6.0	175	5.0	3.0	1.00	GBU610



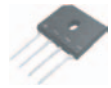
6.0 AMPERE / GBU / Halogen-free

GBU602H	200	6.0	175	5.0	3.0	1.00	GBU602.
GBU604H	400	6.0	175	5.0	3.0	1.00	GBU604.
GBU606H	600	6.0	175	5.0	3.0	1.00	GBU606.
GBU608H	800	6.0	175	5.0	3.0	1.00	GBU608.
GBU610H	1000	6.0	175	5.0	3.0	1.00	GBU610.



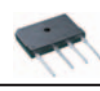
8.0 AMPERE / GBU

GBU802	200	8.0	200	5.0	4.0	1.00	GBU802
GBU804	400	8.0	200	5.0	4.0	1.00	GBU804
GBU806	600	8.0	200	5.0	4.0	1.00	GBU806
GBU808	800	8.0	200	5.0	4.0	1.00	GBU808
GBU810	1000	8.0	200	5.0	4.0	1.00	GBU810



8.0 AMPERE / GBU / Halogen-free

GBU802H	200	8.0	200	5.0	4.0	1.00	GBU802.
GBU804H	400	8.0	200	5.0	4.0	1.00	GBU804.
GBU806H	600	8.0	200	5.0	4.0	1.00	GBU806.
GBU808H	800	8.0	200	5.0	4.0	1.00	GBU808.
GBU810H	1000	8.0	200	5.0	4.0	1.00	GBU810.



8.0 AMPERE / GBJ

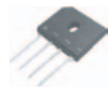
GBJ8D	200	8.0	170	5.0	4.0	1.00	GBJ8D
GBJ8G	400	8.0	170	5.0	4.0	1.00	GBJ8G
GBJ8J	600	8.0	170	5.0	4.0	1.00	GBJ8J
GBJ8K	800	8.0	170	5.0	4.0	1.00	GBJ8K
GBJ8M	1000	8.0	170	5.0	4.0	1.00	GBJ8M

SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	uA	A	V	

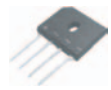
8.0 AMPERE / GBJ / Halogen-free

GBJ8DH	200	8.0	170	5.0	4.0	1.00	GBJ8D.
GBJ8GH	400	8.0	170	5.0	4.0	1.00	GBJ8G.
GBJ8JH	600	8.0	170	5.0	4.0	1.00	GBJ8J.
GBJ8KH	800	8.0	170	5.0	4.0	1.00	GBJ8K.
GBJ8MH	1000	8.0	170	5.0	4.0	1.00	GBJ8M.



10 AMPERE / GBU

GBU1002	200	10	220	5.0	5.0	1.10	GBU1002
GBU1004	400	10	220	5.0	5.0	1.10	GBU1004
GBU1006	600	10	220	5.0	5.0	1.10	GBU1006
GBU1008	800	10	220	5.0	5.0	1.10	GBU1008
GBU1010	1000	10	220	5.0	5.0	1.10	GBU1010



10 AMPERE / GBU / Halogen-free

GBU1002H	200	10	220	5.0	5.0	1.10	GBU1002.
GBU1004H	400	10	220	5.0	5.0	1.10	GBU1004.
GBU1006H	600	10	220	5.0	5.0	1.10	GBU1006.
GBU1008H	800	10	220	5.0	5.0	1.10	GBU1008.
GBU1010H	1000	10	220	5.0	5.0	1.10	GBU1010.

10 AMPERE / GBJ

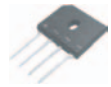
GBJ10D	200	10	175	5.0	5.0	1.10	GBJ10D
GBJ10G	400	10	175	5.0	5.0	1.10	GBJ10G
GBJ10J	600	10	175	5.0	5.0	1.10	GBJ10J
GBJ10K	800	10	175	5.0	5.0	1.10	GBJ10K
GBJ10M	1000	10	175	5.0	5.0	1.10	GBJ10M

10 AMPERE / GBJ / Halogen-free

GBJ10DH	200	10	175	5.0	5.0	1.10	GBJ10D.
GBJ10GH	400	10	175	5.0	5.0	1.10	GBJ10G.
GBJ10JH	600	10	175	5.0	5.0	1.10	GBJ10J.
GBJ10KH	800	10	175	5.0	5.0	1.10	GBJ10K.
GBJ10MH	1000	10	175	5.0	5.0	1.10	GBJ10M.

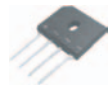
SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	uA	A	V	



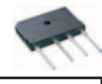
15 AMPERE / GBU

GBU1502	200	15	250	5.0	7.5	1.10	GBU1502
GBU1504	400	15	250	5.0	7.5	1.10	GBU1504
GBU1506	600	15	250	5.0	7.5	1.10	GBU1506
GBU1508	800	15	250	5.0	7.5	1.10	GBU1508
GBU1510	1000	15	250	5.0	7.5	1.10	GBU1510



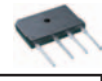
15 AMPERE / GBU / Halogen-free

GBU1502H	200	15	250	5.0	7.5	1.10	GBU1502.
GBU1504H	400	15	250	5.0	7.5	1.10	GBU1504.
GBU1506H	600	15	250	5.0	7.5	1.10	GBU1506.
GBU1508H	800	15	250	5.0	7.5	1.10	GBU1508.
GBU1510H	1000	15	250	5.0	7.5	1.10	GBU1510.



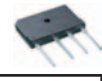
15 AMPERE / GBJ

GBJ15D	200	15	200	10	7.5	1.10	GBJ15D
GBJ15G	400	15	200	10	7.5	1.10	GBJ15G
GBJ15J	600	15	200	10	7.5	1.10	GBJ15J
GBJ15K	800	15	200	10	7.5	1.10	GBJ15K
GBJ15M	1000	15	200	10	7.5	1.10	GBJ15M



15 AMPERE / GBJ / Halogen-free

GBJ15DH	200	15	200	10	7.5	1.10	GBJ15D.
GBJ15GH	400	15	200	10	7.5	1.10	GBJ15G.
GBJ15JH	600	15	200	10	7.5	1.10	GBJ15J.
GBJ15KH	800	15	200	10	7.5	1.10	GBJ15K.
GBJ15MH	1000	15	200	10	7.5	1.10	GBJ15M.



20 AMPERE / GBJ

GBJ20D	200	20	250	10	10	1.10	GBJ20D
GBJ20G	400	20	250	10	10	1.10	GBJ20G
GBJ20J	600	20	250	10	10	1.10	GBJ20J
GBJ20K	800	20	250	10	10	1.10	GBJ20K
GBJ20M	1000	20	250	10	10	1.10	GBJ20M

SINTERED GLASS PASSIVATED JUNCTION BRIDGE RECTIFIERS

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current @8.3ms	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Marking
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	uA	A	V	

20 AMPERE / GBJ / Halogen-free

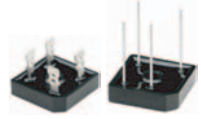
GBJ20DH	200	20	250	10	10	1.10	GBJ20D.
GBJ20GH	400	20	250	10	10	1.10	GBJ20G.
GBJ20JH	600	20	250	10	10	1.10	GBJ20J.
GBJ20KH	800	20	250	10	10	1.10	GBJ20K.
GBJ20MH	1000	20	250	10	10	1.10	GBJ20M.

25 AMPERE / GBJ

GBJ25D	200	25	350	10	12.5	1.10	GBJ25D
GBJ25G	400	25	350	10	12.5	1.10	GBJ25G
GBJ25J	600	25	350	10	12.5	1.10	GBJ25J
GBJ25K	800	25	350	10	12.5	1.10	GBJ25K
GBJ25M	1000	25	350	10	12.5	1.10	GBJ25M

25 AMPERE / GBJ / Halogen-free

GBJ25DH	200	25	350	10	12.5	1.10	GBJ25D.
GBJ25GH	400	25	350	10	12.5	1.10	GBJ25G.
GBJ25JH	600	25	350	10	12.5	1.10	GBJ25J.
GBJ25KH	800	25	350	10	12.5	1.10	GBJ25K.
GBJ25MH	1000	25	350	10	12.5	1.10	GBJ25M.



25 AMPERE / GBPC / GBPC-W

GBPC2502	200	25	340	10	12.5	1.10	GBPC2502
GBPC2504	400	25	340	10	12.5	1.10	GBPC2504
GBPC2506	600	25	340	10	12.5	1.10	GBPC2504
GBPC2508	800	25	340	10	12.5	1.10	GBPC2508
GBPC2510	1000	25	340	10	12.5	1.10	GBPC2510

NOTE : Suffix " W " for Wire Type.

35 AMPERE / GBPC / GBPC-W

GBPC3502	200	35	400	10	17.5	1.10	GBPC3502
GBPC3504	400	35	400	10	17.5	1.10	GBPC3504
GBPC3506	600	35	400	10	17.5	1.10	GBPC3504
GBPC3508	800	35	400	10	17.5	1.10	GBPC3508
GBPC3510	1000	35	400	10	17.5	1.10	GBPC3510

NOTE : Suffix " W " for Wire Type.

GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSORS

SMAJ SERIES TVS / 400 WATTS / DO-214AC (SMA)

SMAJ PART NUMBER		Device Marking Code		Working Peak Reverse Voltage V_{RWM} (V)	Breakdown Voltage V_{BR} @I_T			Maximum Clamping Voltage V_C (V) @ I_{PP}	Maximum Reverse Surge Current I_{PP} (A) @10 x 1000 μs sinewave	Maximum Reverse Leakage I_R (μA) @V_{RWM}
UNI- POLAR	BI-POLAR	UNI	BI		Min. (V)	Max. (V)	I_T (mA)			
SMAJ5.0A	SMAJ5.0CA	AE	WE	5.0	6.40	7.00	10	9.2	43.50	800
SMAJ6.0A	SMAJ6.0CA	AG	WG	6.0	6.67	7.37	10	10.3	38.80	800
SMAJ6.5A	SMAJ6.5CA	AK	WK	6.5	7.22	7.98	10	11.2	35.70	500
SMAJ7.0A	SMAJ7.0CA	AM	WM	7.0	7.78	8.60	10	12.0	33.30	200
SMAJ7.5A	SMAJ7.5CA	AP	WP	7.5	8.33	9.21	1	12.9	31.00	100
SMAJ8.0A	SMAJ8.0CA	AR	WR	8.0	8.89	9.83	1	13.6	29.40	50
SMAJ8.5A	SMAJ8.5CA	AT	WT	8.5	9.44	10.40	1	14.4	27.80	10
SMAJ9.0A	SMAJ9.0CA	AV	WV	9.0	10.00	11.10	1	15.4	26.00	5
SMAJ10A	SMAJ10CA	AX	WX	10.0	11.10	12.30	1	17.0	23.50	5
SMAJ11A	SMAJ11CA	AZ	WZ	11.0	12.20	13.50	1	18.2	22.00	5
SMAJ12A	SMAJ12CA	BE	XE	12.0	13.30	14.70	1	19.9	20.10	5
SMAJ13A	SMAJ13CA	BG	XG	13.0	14.40	15.90	1	21.5	18.60	5
SMAJ14A	SMAJ14CA	BK	XK	14.0	15.60	17.20	1	23.2	17.20	5
SMAJ15A	SMAJ15CA	BM	XM	15.0	16.70	18.50	1	24.4	16.40	5
SMAJ16A	SMAJ16CA	BP	XP	16.0	17.80	19.70	1	26.0	15.40	5
SMAJ17A	SMAJ17CA	BR	XR	17.0	18.90	20.90	1	27.6	14.50	5
SMAJ18A	SMAJ18CA	BT	XT	18.0	20.00	22.10	1	29.2	13.70	5
SMAJ19A	SMAJ19CA	BB	XB	19.0	21.10	23.30	1	30.8	13.00	5
SMAJ20A	SMAJ20CA	BV	XV	20.0	22.20	24.50	1	32.4	12.30	5
SMAJ22A	SMAJ22CA	BX	XX	22.0	24.40	26.90	1	35.5	11.30	5
SMAJ24A	SMAJ24CA	BZ	XZ	24.0	26.70	29.50	1	38.9	10.30	5
SMAJ26A	SMAJ26CA	CE	YE	26.0	28.90	31.90	1	42.1	9.50	5
SMAJ28A	SMAJ28CA	CG	YG	28.0	31.10	34.40	1	45.4	8.81	5
SMAJ30A	SMAJ30CA	CK	YK	30.0	33.30	36.80	1	48.4	8.26	5
SMAJ33A	SMAJ33CA	CM	YM	33.0	36.70	40.60	1	53.3	7.50	5
SMAJ36A	SMAJ36CA	CP	YP	36.0	40.00	44.20	1	58.1	6.88	5
SMAJ40A	SMAJ40CA	CR	YR	40.0	44.40	49.10	1	64.5	6.20	5
SMAJ43A	SMAJ43CA	CT	YT	43.0	47.80	52.80	1	69.4	5.76	5
SMAJ45A	SMAJ45CA	CV	YV	45.0	50.00	55.30	1	72.7	5.50	5
SMAJ48A	SMAJ48CA	CX	YX	48.0	53.30	58.90	1	77.4	5.17	5
SMAJ51A	SMAJ51CA	CZ	YZ	51.0	56.70	62.70	1	82.4	4.85	5
SMAJ54A	SMAJ54CA	RE	ZE	54.0	60.00	66.30	1	87.1	4.59	5
SMAJ58A	SMAJ58CA	RG	ZG	58.0	64.40	71.20	1	93.6	4.27	5
SMAJ60A	SMAJ60CA	RK	ZK	60.0	66.70	73.70	1	96.8	4.13	5
SMAJ64A	SMAJ64CA	RM	ZM	64.0	71.10	78.60	1	103.0	3.88	5
SMAJ70A	SMAJ70CA	RP	ZP	70.0	77.80	86.00	1	113.0	3.54	5
SMAJ75A	SMAJ75CA	RR	ZR	75.0	83.30	92.10	1	121.0	3.31	5
SMAJ78A	SMAJ78CA	RT	ZT	78.0	86.70	95.80	1	126.0	3.17	5
SMAJ80A	SMAJ80CA	RB	ZB	80.0	88.80	97.60	1	130.0	3.09	5
SMAJ85A	SMAJ85CA	RV	ZV	85.0	94.40	104.00	1	137.0	2.92	5
SMAJ90A	SMAJ90CA	RX	ZX	90.0	100.00	111.00	1	146.0	2.74	5
SMAJ100A	SMAJ100CA	RZ	ZZ	100.0	111.00	123.00	1	162.0	2.47	5
SMAJ110A	SMAJ110CA	SE	VE	110.0	122.00	135.00	1	177.0	2.26	5
SMAJ120A	SMAJ120CA	SG	VG	120.0	133.00	147.00	1	193.0	2.07	5
SMAJ130A	SMAJ130CA	SK	VK	130.0	144.00	159.00	1	209.0	1.91	5
SMAJ140A	SMAJ140CA	SB	VB	140.0	155.00	171.00	1	227.0	1.76	5
SMAJ150A	SMAJ150CA	SM	VM	150.0	167.00	185.00	1	243.0	1.65	5
SMAJ160A	SMAJ160CA	SP	VP	160.0	178.00	197.00	1	259.0	1.54	5
SMAJ170A	SMAJ170CA	SR	VR	170.0	189.00	209.00	1	275.0	1.45	5
SMAJ180A	SMAJ180CA	ST	VT	180.0	200.00	220.00	1	292.0	1.37	5
SMAJ190A	SMAJ190CA	SV	VV	190.0	211.00	232.00	1	308.0	1.30	5
SMAJ200A	SMAJ200CA	SW	VW	200.0	224.00	247.00	1	324.0	1.23	5
SMAJ220A	SMAJ220CA	SX	VX	220.0	246.00	272.00	1	356.0	1.12	5
SMAJ250A	SMAJ250CA	SZ	VZ	250.0	279.00	309.00	1	405.0	0.99	5
SMAJ300A	SMAJ300CA	DE	HE	300.0	335.00	371.00	1	486.0	0.82	5
SMAJ350A	SMAJ350CA	DG	HG	350.0	391.00	432.00	1	567.0	0.71	5
SMAJ400A	SMAJ400CA	DK	HK	400.0	447.00	494.00	1	648.0	0.62	5

NOTE : For bidirectional type having Vrwm of 10 volts and less, the I_R limit is double.

GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSORS

SMBJ SERIES TVS / 600 WATTS / DO-214AA (SMB)

SMBJ PART NUMBER		Device Marking Code		Working Peak Reverse Voltage V_{RWM} (V)	Breakdown Voltage V_{BR} @I_T			Maximum Clamping Voltage V_C (V) @ I_{PP}	Maximum Reverse Surge Current I_{PP} (A) @10 x 1000 μs sinewave	Maximum Reverse Leakage I_R (μA) @V_{RWM}
UNI- POLAR	BI-POLAR	UNI	BI		Min. (V)	Max. (V)	I_T (mA)			
SMBJ5.0A	SMBJ5.0CA	KE	AE	5.0	6.40	7.00	10	9.2	65.20	800
SMBJ6.0A	SMBJ6.0CA	KG	AG	6.0	6.67	7.37	10	10.3	58.30	800
SMBJ6.5A	SMBJ6.5CA	KK	AK	6.5	7.22	7.98	10	11.2	53.60	500
SMBJ7.0A	SMBJ7.0CA	KM	AM	7.0	7.78	8.60	10	12.0	50.00	200
SMBJ7.5A	SMBJ7.5CA	KP	AP	7.5	8.33	9.21	1	12.9	46.50	100
SMBJ8.0A	SMBJ8.0CA	KR	AR	8.0	8.89	9.83	1	13.6	44.10	50
SMBJ8.5A	SMBJ8.5CA	KT	AT	8.5	9.44	10.40	1	14.4	41.70	10
SMBJ9.0A	SMBJ9.0CA	KV	AV	9.0	10.00	11.10	1	15.4	39.00	5
SMBJ10A	SMBJ10CA	KX	AX	10	11.10	12.30	1	17.0	35.30	5
SMBJ11A	SMBJ11CA	KZ	AZ	11	12.20	13.50	1	18.2	33.00	5
SMBJ12A	SMBJ12CA	LE	BE	12	13.30	14.70	1	19.9	30.20	5
SMBJ13A	SMBJ13CA	LG	BG	13	14.40	15.90	1	21.5	27.90	5
SMBJ14A	SMBJ14CA	LK	BK	14	15.60	17.20	1	23.2	25.90	5
SMBJ15A	SMBJ15CA	LM	BM	15	16.70	18.50	1	24.4	24.60	5
SMBJ16A	SMBJ16CA	LP	BP	16	17.80	19.70	1	26.0	23.10	5
SMBJ17A	SMBJ17CA	LR	BR	17	18.90	20.90	1	27.6	21.70	5
SMBJ18A	SMBJ18CA	LT	BT	18	20.00	22.10	1	29.2	20.50	5
SMBJ19A	SMBJ19CA	LB	BB	19	21.10	23.30	1	30.8	19.50	5
SMBJ20A	SMBJ20CA	LV	BV	20	22.20	24.50	1	32.4	18.50	5
SMBJ22A	SMBJ22CA	LX	BX	22	24.40	26.90	1	35.5	16.90	5
SMBJ24A	SMBJ24CA	LZ	BZ	24	26.70	29.50	1	38.9	15.40	5
SMBJ26A	SMBJ26CA	ME	CE	26	28.90	31.90	1	42.1	14.30	5
SMBJ28A	SMBJ28CA	MG	CG	28	31.10	34.40	1	45.4	13.20	5
SMBJ30A	SMBJ30CA	MK	CK	30	33.30	36.80	1	48.4	12.40	5
SMBJ33A	SMBJ33CA	MM	CM	33	36.70	40.60	1	53.3	11.30	5
SMBJ36A	SMBJ36CA	MP	CP	36	40.00	44.20	1	58.1	10.30	5
SMBJ40A	SMBJ40CA	MR	CR	40	44.40	49.10	1	64.5	9.30	5
SMBJ43A	SMBJ43CA	MT	CT	43	47.80	52.80	1	69.4	8.65	5
SMBJ45A	SMBJ45CA	MV	CV	45	50.00	55.30	1	72.7	8.25	5
SMBJ48A	SMBJ48CA	MX	CX	48	53.30	58.90	1	77.4	7.75	5
SMBJ51A	SMBJ51CA	MZ	CZ	51	56.70	62.70	1	82.4	7.28	5
SMBJ54A	SMBJ54CA	NE	DE	54	60.00	66.30	1	87.1	6.89	5
SMBJ58A	SMBJ58CA	NG	DG	58	64.40	71.20	1	93.6	6.41	5
SMBJ60A	SMBJ60CA	NK	DK	60	66.70	73.70	1	96.8	6.20	5
SMBJ64A	SMBJ64CA	NM	DM	64	71.10	78.60	1	103.0	5.83	5
SMBJ70A	SMBJ70CA	NP	DP	70	77.80	86.00	1	113.0	5.31	5
SMBJ75A	SMBJ75CA	NR	DR	75	83.30	92.10	1	121.0	4.96	5
SMBJ78A	SMBJ78CA	NT	DT	78	86.70	95.80	1	126.0	4.76	5
SMBJ80A	SMBJ80CA	NB	DB	80	88.80	97.60	1	130.0	4.63	5
SMBJ85A	SMBJ85CA	NV	DV	85	94.40	104.00	1	137.0	4.38	5
SMBJ90A	SMBJ90CA	NX	DX	90	100.00	111.00	1	146.0	4.11	5
SMBJ100A	SMBJ100CA	NZ	DZ	100	111.00	123.00	1	162.0	3.70	5
SMBJ110A	SMBJ110CA	PE	EE	110	122.00	135.00	1	177.0	3.39	5
SMBJ120A	SMBJ120CA	PG	EG	120	133.00	147.00	1	193.0	3.11	5
SMBJ130A	SMBJ130CA	PK	EK	130	144.00	159.00	1	209.0	2.87	5
SMBJ140A	SMBJ140CA	PB	EB	140	155.00	171.00	1	227.0	2.65	5
SMBJ150A	SMBJ150CA	PM	EM	150	167.00	185.00	1	243.0	2.47	5
SMBJ160A	SMBJ160CA	PP	EP	160	178.00	197.00	1	259.0	2.32	5
SMBJ170A	SMBJ170CA	PR	ER	170	189.00	209.00	1	275.0	2.18	5
SMBJ180A	SMBJ180CA	PT	ET	180	200.00	220.00	1	292.0	2.06	5
SMBJ190A	SMBJ190CA	PV	EV	190	211.00	232.00	1	308.0	1.95	5

NOTE : For bidirectional type having Vrwm of 10 volts and less, the I_R limit is double.

GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSORS

SMCJ SERIES TVS / 1500 WATTS / DO-214AB (SMC)

SMCJ PART NUMBER		Device Marking Code		Working Peak Reverse Voltage V_{RWM} (V)	Breakdown Voltage V_{BR} @I_T			Maximum Clamping Voltage V_C (V) @ I_{PP}	Maximum Reverse Surge Current I_{PP} (A) @10 x 1000 μs sinewave	Maximum Reverse Leakage I_R (μA) @V_{RWM}
UNI- POLAR	BI-POLAR	UNI	BI		Min. (V)	Max. (V)	I_T (mA)			
SMCJ5.0A	SMCJ5.0CA	GDE	BDE	5.0	6.40	7.00	10	9.2	163.00	1000
SMCJ6.0A	SMCJ6.0CA	GDG	BDG	6.0	6.67	7.37	10	10.3	146.00	1000
SMCJ6.5A	SMCJ6.5CA	GDK	BDK	6.5	7.22	7.98	10	11.2	134.00	500
SMCJ7.0A	SMCJ7.0CA	GDM	BDM	7.0	7.78	8.60	10	12.0	125.00	200
SMCJ7.5A	SMCJ7.5CA	GDP	BDP	7.5	8.33	9.21	1	12.9	116.00	100
SMCJ8.0A	SMCJ8.0CA	GDR	BDR	8.0	8.89	9.83	1	13.6	110.00	50
SMCJ8.5A	SMCJ8.5CA	GDT	BDT	8.5	9.44	10.40	1	14.4	104.00	20
SMCJ9.0A	SMCJ9.0CA	GDV	BDV	9.0	10.00	11.10	1	15.4	97.40	10
SMCJ10A	SMCJ10CA	GDX	BDX	10.0	11.10	12.30	1	17.0	88.20	5
SMCJ11A	SMCJ11CA	GDZ	BDZ	11.0	12.20	13.50	1	18.2	82.40	5
SMCJ12A	SMCJ12CA	GEE	BEE	12.0	13.30	14.70	1	19.9	75.40	5
SMCJ13A	SMCJ13CA	GEG	BEG	13.0	14.40	15.90	1	21.5	69.80	5
SMCJ14A	SMCJ14CA	GEK	BEK	14.0	15.60	17.20	1	23.2	64.70	5
SMCJ15A	SMCJ15CA	GEM	BEM	15.0	16.70	18.50	1	24.4	61.50	5
SMCJ16A	SMCJ16CA	GEP	BEP	16.0	17.80	19.70	1	26.0	57.70	5
SMCJ17A	SMCJ17CA	GER	BER	17.0	18.90	20.90	1	27.6	54.30	5
SMCJ18A	SMCJ18CA	GET	BET	18.0	20.00	22.10	1	29.2	51.40	5
SMCJ19A	SMCJ19CA	GEB	BEB	19.0	21.10	23.30	1	30.8	48.70	5
SMCJ20A	SMCJ20CA	GEV	BEV	20.0	22.20	24.50	1	32.4	46.30	5
SMCJ22A	SMCJ22CA	GEX	BEX	22.0	24.40	26.90	1	35.5	42.30	5
SMCJ24A	SMCJ24CA	GEZ	BEZ	24.0	26.70	29.50	1	38.9	38.60	5
SMCJ26A	SMCJ26CA	GEF	BFE	26.0	28.90	31.90	1	42.1	35.60	5
SMCJ28A	SMCJ28CA	GFG	BFG	28.0	31.10	34.40	1	45.4	33.00	5
SMCJ30A	SMCJ30CA	GFK	BFK	30.0	33.30	36.80	1	48.4	31.00	5
SMCJ33A	SMCJ33CA	GFM	BFM	33.0	36.70	40.60	1	53.3	28.10	5
SMCJ36A	SMCJ36CA	GFP	BFP	36.0	40.00	44.20	1	58.1	25.80	5
SMCJ40A	SMCJ40CA	GFR	BFR	40.0	44.40	49.10	1	64.5	23.30	5
SMCJ43A	SMCJ43CA	GFT	BFT	43.0	47.80	52.80	1	69.4	21.60	5
SMCJ45A	SMCJ45CA	GFV	BFV	45.0	50.00	55.30	1	72.7	20.60	5
SMCJ48A	SMCJ48CA	GFX	BFX	48.0	53.30	58.90	1	77.4	19.40	5
SMCJ51A	SMCJ51CA	GFZ	BFZ	51.0	56.70	62.70	1	82.4	18.20	5
SMCJ54A	SMCJ54CA	GGE	BGE	54.0	60.00	66.30	1	87.1	17.20	5
SMCJ58A	SMCJ58CA	GGG	BGG	58.0	64.40	71.20	1	93.6	16.00	5
SMCJ60A	SMCJ60CA	GGK	BGK	60.0	66.70	73.70	1	96.8	15.50	5
SMCJ64A	SMCJ64CA	GGM	BGM	64.0	71.10	78.60	1	103.0	14.60	5
SMCJ70A	SMCJ70CA	GGP	BGP	70.0	77.80	86.00	1	113.0	13.30	5
SMCJ75A	SMCJ75CA	GGR	BGR	75.0	83.30	92.10	1	121.0	12.40	5
SMCJ78A	SMCJ78CA	GGT	BGT	78.0	86.70	95.80	1	126.0	11.90	5
SMCJ80A	SMCJ80CA	GGB	BGB	80.0	88.80	97.60	1	130.0	11.60	5
SMCJ85A	SMCJ85CA	GGV	BGV	85.0	94.40	104.00	1	137.0	10.90	5
SMCJ90A	SMCJ90CA	GGX	BGX	90.0	100.00	111.00	1	146.0	10.30	5
SMCJ100A	SMCJ100CA	GGZ	BGZ	100.0	111.00	123.00	1	162.0	9.26	5
SMCJ110A	SMCJ110CA	GHE	BHE	110.0	122.00	135.00	1	177.0	8.47	5
SMCJ120A	SMCJ120CA	GHG	BHG	120.0	133.00	147.00	1	193.0	7.77	5
SMCJ130A	SMCJ130CA	GHK	BHK	130.0	144.00	159.00	1	209.0	7.18	5
SMCJ140A	SMCJ140CA	GHB	BHB	140.0	155.00	171.00	1	227.0	6.61	5
SMCJ150A	SMCJ150CA	GHM	BHM	150.0	167.00	185.00	1	243.0	6.17	5
SMCJ160A	SMCJ160CA	GHP	BHP	160.0	178.00	197.00	1	259.0	5.79	5
SMCJ170A	SMCJ170CA	GHR	BHR	170.0	189.00	209.00	1	275.0	5.45	5
SMCJ180A	SMCJ180CA	GHT	BHT	180.0	200.00	220.00	1	292.0	5.14	5
SMCJ190A	SMCJ190CA	GHV	BHV	190.0	211.00	232.00	1	308.0	4.87	5

NOTE : For bidirectional type having Vrwm of 10 volts and less, the I_R limit is double.

GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSORS

P4KE SERIES TVS / 400 WATTS / DO-204AL (DO-41)

P4KE PART NUMBER		Working Peak Reverse Voltage V_{RWM} (V)	Breakdown Voltage V_{BR} @I_T			Maximum Clamping Voltage V_C (V) @ I_{PP}	Maximum Reverse Surge Current I_{PP} (A) @10 x 1000 μs sinewave	Maximum Reverse Leakage I_R (μA) @V_{RWM}
UNI-POLAR	BI-POLAR		Min. (V)	Max. (V)	IT (mA)			
P4KE6.8A	P4KE6.8CA	5.8	6.46	7.14	10	10.5	38.1	1000
P4KE7.5A	P4KE7.5CA	6.4	7.13	7.88	10	11.3	35.4	500
P4KE8.2A	P4KE8.2CA	7.0	7.79	8.61	10	12.1	33.1	200
P4KE9.1A	P4KE9.1CA	7.8	8.65	9.56	1	13.4	29.9	50
P4KE10A	P4KE10CA	8.6	9.50	10.50	1	14.5	27.6	10
P4KE11A	P4KE11CA	9.4	10.45	11.55	1	15.6	25.6	5
P4KE12A	P4KE12CA	10.2	11.40	12.60	1	16.7	24.0	5
P4KE13A	P4KE13CA	11.1	12.35	13.65	1	18.2	22.0	5
P4KE15A	P4KE15CA	12.8	14.25	15.75	1	21.2	18.9	5
P4KE16A	P4KE16CA	13.6	15.20	16.80	1	22.5	17.8	5
P4KE18A	P4KE18CA	15.3	17.10	18.90	1	25.2	15.9	5
P4KE20A	P4KE20CA	17.1	19.00	21.00	1	27.7	14.4	5
P4KE22A	P4KE22CA	18.8	20.90	23.10	1	30.6	13.1	5
P4KE24A	P4KE24CA	20.5	22.80	25.20	1	33.2	12.0	5
P4KE27A	P4KE27CA	23.1	25.65	28.35	1	37.5	10.7	5
P4KE30A	P4KE30CA	25.6	28.50	31.50	1	41.4	9.66	5
P4KE33A	P4KE33CA	28.2	31.35	34.65	1	45.7	8.75	5
P4KE36A	P4KE36CA	30.8	34.20	37.80	1	49.9	8.02	5
P4KE39A	P4KE39CA	33.3	37.05	40.95	1	53.9	7.42	5
P4KE43A	P4KE43CA	36.8	40.85	45.15	1	59.3	6.75	5
P4KE47A	P4KE47CA	40.2	44.65	49.35	1	64.8	6.17	5
P4KE51A	P4KE51CA	43.6	48.45	53.55	1	70.1	5.71	5
P4KE56A	P4KE56CA	47.8	53.20	58.80	1	77.0	5.19	5
P4KE62A	P4KE62CA	53.0	58.90	65.10	1	85.0	4.71	5
P4KE68A	P4KE68CA	58.1	64.60	71.40	1	92.0	4.35	5
P4KE75A	P4KE75CA	64.1	71.25	78.75	1	103.0	3.88	5
P4KE82A	P4KE82CA	70.1	77.90	86.10	1	113.0	3.54	5
P4KE91A	P4KE91CA	77.8	86.45	95.55	1	125.0	3.20	5
P4KE100A	P4KE100CA	85.5	95.00	105.00	1	137.0	2.92	5
P4KE110A	P4KE110CA	94.0	104.50	115.50	1	152.0	2.63	5
P4KE120A	P4KE120CA	102.0	114.00	126.00	1	165.0	2.42	5
P4KE130A	P4KE130CA	111.0	123.50	136.50	1	179.0	2.23	5
P4KE150A	P4KE150CA	128.0	142.50	157.50	1	207.0	1.93	5
P4KE160A	P4KE160CA	136.0	152.00	168.00	1	219.0	1.83	5
P4KE170A	P4KE170CA	145.0	161.50	178.50	1	234.0	1.71	5
P4KE180A	P4KE180CA	154.0	171.00	189.00	1	246.0	1.63	5
P4KE200A	P4KE200CA	171.0	190.00	210.00	1	274.0	1.46	5
P4KE220A	P4KE220CA	185.0	209.00	231.00	1	328.0	1.22	5
P4KE250A	P4KE250CA	214.0	237.50	262.50	1	344.0	1.16	5
P4KE300A	P4KE300CA	256.0	285.00	315.00	1	414.0	0.97	5
P4KE350A	P4KE350CA	299.0	332.50	367.50	1	482.0	0.83	5
P4KE380A	P4KE380CA	325.0	361.00	399.00	1	524.0	0.76	5
P4KE400A	P4KE400CA	342.0	380.00	420.00	1	548.0	0.73	5
P4KE440A	P4KE440CA	376.0	418.00	462.00	1	602.0	0.66	5

NOTE : For bidirectional type having V_{RWM} of 10V and less, the I_R limit is double.

GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSORS

P6KE SERIES TVS / 600 WATTS / DO-204AC (DO-15)

P6KE PART NUMBER		Working Peak Reverse Voltage V_{RWM} (V)	Breakdown Voltage V_{BR} @I_T			Maximum Clamping Voltage V_C (V) @ I_{PP}	Maximum Reverse Surge Current I_{PP} (A) @10 x 1000 μs sinewave	Maximum Reverse Leakage I_R (μA) @V_{RWM}
UNI-POLAR	BI-POLAR		Min. (V)	Max. (V)	I_T (mA)			
P6KE6.8A	P6KE6.8CA	5.8	6.46	7.14	10	10.5	57.1	1000
P6KE7.5A	P6KE7.5CA	6.4	7.13	7.88	10	11.3	53.1	500
P6KE8.2A	P6KE8.2CA	7.0	7.79	8.61	10	12.1	49.6	200
P6KE9.1A	P6KE9.1CA	7.8	8.65	9.56	1	13.4	44.8	50
P6KE10A	P6KE10CA	8.6	9.50	10.50	1	14.5	41.4	10
P6KE11A	P6KE11CA	9.4	10.45	11.55	1	15.6	38.5	5
P6KE12A	P6KE12CA	10.2	11.40	12.60	1	16.7	35.9	5
P6KE13A	P6KE13CA	11.1	12.35	13.65	1	18.2	33.0	5
P6KE15A	P6KE15CA	12.8	14.25	15.75	1	21.2	28.3	5
P6KE16A	P6KE16CA	13.6	15.20	16.80	1	22.5	26.7	5
P6KE18A	P6KE18CA	15.3	17.10	18.90	1	25.2	23.8	5
P6KE20A	P6KE20CA	17.1	19.00	21.00	1	27.7	21.7	5
P6KE22A	P6KE22CA	18.8	20.90	23.10	1	30.6	19.6	5
P6KE24A	P6KE24CA	20.5	22.80	25.20	1	33.2	18.1	5
P6KE27A	P6KE27CA	23.1	25.65	28.35	1	37.5	16.0	5
P6KE30A	P6KE30CA	25.6	28.50	31.50	1	41.4	14.5	5
P6KE33A	P6KE33CA	28.2	31.35	34.65	1	45.7	13.1	5
P6KE36A	P6KE36CA	30.8	34.20	37.80	1	49.9	12.0	5
P6KE39A	P6KE39CA	33.3	37.05	40.95	1	53.9	11.1	5
P6KE43A	P6KE43CA	36.8	40.85	45.15	1	59.3	10.1	5
P6KE47A	P6KE47CA	40.2	44.65	49.35	1	64.8	9.26	5
P6KE51A	P6KE51CA	43.6	48.45	53.55	1	70.1	8.56	5
P6KE56A	P6KE56CA	47.8	53.20	58.80	1	77.0	7.79	5
P6KE62A	P6KE62CA	53.0	58.90	65.10	1	85.0	7.06	5
P6KE68A	P6KE68CA	58.1	64.60	71.40	1	92.0	6.52	5
P6KE75A	P6KE75CA	64.1	71.25	78.75	1	103.0	5.83	5
P6KE82A	P6KE82CA	70.1	77.90	86.10	1	113.0	5.31	5
P6KE91A	P6KE91CA	77.8	86.45	95.55	1	125.0	4.80	5
P6KE100A	P6KE100CA	85.5	95.00	105.00	1	137.0	4.38	5
P6KE110A	P6KE110CA	94.0	104.50	115.50	1	152.0	3.95	5
P6KE120A	P6KE120CA	102.0	114.00	126.00	1	165.0	3.64	5
P6KE130A	P6KE130CA	111.0	123.50	136.50	1	179.0	3.35	5
P6KE150A	P6KE150CA	128.0	142.50	157.50	1	207.0	2.90	5
P6KE160A	P6KE160CA	136.0	152.00	168.00	1	219.0	2.74	5
P6KE170A	P6KE170CA	145.0	161.50	178.50	1	234.0	2.56	5
P6KE180A	P6KE180CA	154.0	171.00	189.00	1	246.0	2.44	5
P6KE200A	P6KE200CA	171.0	190.00	210.00	1	274.0	2.19	5
P6KE220A	P6KE220CA	185.0	209.00	231.00	1	328.0	1.83	5
P6KE250A	P6KE250CA	214.0	237.50	262.50	1	344.0	1.74	5
P6KE300A	P6KE300CA	256.0	285.00	315.00	1	414.0	1.45	5
P6KE350A	P6KE350CA	299.0	332.50	367.50	1	482.0	1.24	5
P6KE380A	P6KE380CA	325.0	361.00	399.00	1	524.0	1.14	5
P6KE400A	P6KE400CA	342.0	380.00	420.00	1	548.0	1.09	5
P6KE440A	P6KE440CA	376.0	418.00	462.00	1	602.0	1.00	5

NOTE : For bidirectional type having V_{RWM} of 10V and less, the I_R limit is double.

GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSORS

1.5KE SERIES TVS / 1500 WATTS / DO-201AE (DO-27)

1.5KE PART NUMBER		Working Peak Reverse Voltage V_{RWM} (V)	Breakdown Voltage V_{BR} @I_T			Maximum Clamping Voltage V_C (V) @ I_{PP}	Maximum Reverse Surge Current I_{PP} (A) @10 x 1000 μs sinewave	Maximum Reverse Leakage I_R (μA) @V_{RWM}
UNI-POLAR	BI-POLAR		Min. (V)	Max. (V)	I_T (mA)			
1.5KE6.8A	1.5KE6.8CA	5.8	6.46	7.14	10	10.5	143.00	1000
1.5KE7.5A	1.5KE7.5CA	6.4	7.13	7.88	10	11.3	133.00	500
1.5KE8.2A	1.5KE8.2CA	7.0	7.79	8.61	10	12.1	124.00	200
1.5KE9.1A	1.5KE9.1CA	7.8	8.65	9.56	1	13.4	112.00	50
1.5KE10A	1.5KE10CA	8.6	9.50	10.50	1	14.5	103.00	10
1.5KE11A	1.5KE11CA	9.4	10.45	11.55	1	15.6	96.20	5
1.5KE12A	1.5KE12CA	10.2	11.40	12.60	1	16.7	89.80	5
1.5KE13A	1.5KE13CA	11.1	12.35	13.65	1	18.2	82.40	5
1.5KE15A	1.5KE15CA	12.8	14.25	15.75	1	21.2	70.80	5
1.5KE16A	1.5KE16CA	13.6	15.20	16.80	1	22.5	66.70	5
1.5KE18A	1.5KE18CA	15.3	17.10	18.90	1	25.2	59.50	5
1.5KE20A	1.5KE20CA	17.1	19.00	21.00	1	27.7	54.20	5
1.5KE22A	1.5KE22CA	18.8	20.90	23.10	1	30.6	49.00	5
1.5KE24A	1.5KE24CA	20.5	22.80	25.20	1	33.2	45.20	5
1.5KE27A	1.5KE27CA	23.1	25.65	28.35	1	37.5	40.00	5
1.5KE30A	1.5KE30CA	25.6	28.50	31.50	1	41.4	36.20	5
1.5KE33A	1.5KE33CA	28.2	31.35	34.65	1	45.7	32.80	5
1.5KE36A	1.5KE36CA	30.8	34.20	37.80	1	49.9	30.10	5
1.5KE39A	1.5KE39CA	33.3	37.05	40.95	1	53.9	27.80	5
1.5KE43A	1.5KE43CA	36.8	40.85	45.15	1	59.3	25.30	5
1.5KE47A	1.5KE47CA	40.2	44.65	49.35	1	64.8	23.10	5
1.5KE51A	1.5KE51CA	43.6	48.45	53.55	1	70.1	21.40	5
1.5KE56A	1.5KE56CA	47.8	53.20	58.80	1	77.0	19.50	5
1.5KE62A	1.5KE62CA	53.0	58.90	65.10	1	85.0	17.60	5
1.5KE68A	1.5KE68CA	58.1	64.60	71.40	1	92.0	16.30	5
1.5KE75A	1.5KE75CA	64.1	71.25	78.75	1	103.0	14.60	5
1.5KE82A	1.5KE82CA	70.1	77.90	86.10	1	113.0	13.30	5
1.5KE91A	1.5KE91CA	77.8	86.45	95.55	1	125.0	12.00	5
1.5KE100A	1.5KE100CA	85.5	95.00	105.00	1	137.0	10.90	5
1.5KE110A	1.5KE110CA	94.0	104.50	115.50	1	152.0	9.87	5
1.5KE120A	1.5KE120CA	102.0	114.00	126.00	1	165.0	9.09	5
1.5KE130A	1.5KE130CA	111.0	123.50	136.50	1	179.0	8.38	5
1.5KE150A	1.5KE150CA	128.0	142.50	157.50	1	207.0	7.25	5
1.5KE160A	1.5KE160CA	136.0	152.00	168.00	1	219.0	6.85	5
1.5KE170A	1.5KE170CA	145.0	161.50	178.50	1	234.0	6.41	5
1.5KE180A	1.5KE180CA	154.0	171.00	189.00	1	246.0	6.10	5
1.5KE200A	1.5KE200CA	171.0	190.00	210.00	1	274.0	5.47	5
1.5KE220A	1.5KE220CA	185.0	209.00	231.00	1	328.0	4.57	5
1.5KE250A	1.5KE250CA	214.0	237.50	262.50	1	344.0	4.36	5
1.5KE300A	1.5KE300CA	256.0	285.00	315.00	1	414.0	3.62	5
1.5KE350A	1.5KE350CA	299.0	332.50	367.50	1	482.0	3.11	5
1.5KE380A	1.5KE380CA	325.0	361.00	399.00	1	524.0	2.86	5
1.5KE400A	1.5KE400CA	342.0	380.00	420.00	1	548.0	2.74	5
1.5KE440A	1.5KE440CA	376.0	418.00	462.00	1	602.0	2.49	5
1.5KE500A	1.5KE500CA	428.0	475.00	525.00	1	690.0	2.17	5
1.5KE520A	1.5KE520CA	445.0	494.00	546.00	1	718.0	2.09	5
1.5KE550A	1.5KE550CA	470.0	522.50	577.50	1	759.0	1.98	5
1.5KE600A	1.5KE600CA	513.0	570.00	630.00	1	828.0	1.81	5

NOTE : For bidirectional type having V_{RWM} of 10V and less, the I_R limit is double.

ZENER DIODES

200mW / SOD-523 / Halogen-free

TYPE	Zener Voltage Range (NOTE)				Max. Zener Impedance			Max. Reverse Leakage Current		Marking	Equivalent Circuit Diagram
	V_Z @ I_{ZT}				Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK}	I_R @ V_R			
	Nom. (V)	Min. (V)	Max. (V)	I_{ZT} (mA)	Ω	Ω	(mA)	(μ A)	(V)		
MM5Z2V0H	2.00	1.80	2.15	5	100	-	-	120	0.5	RD	
MM5Z2V2H	2.20	2.08	2.33	5	100	-	-	120	0.7	RE	
MM5Z2V4H	2.40	2.20	2.60	5	100	1000	1	120	1.0	Z7	
MM5Z2V7H	2.70	2.50	2.90	5	100	1000	1	120	1.0	A8	
MM5Z3V0H	3.00	2.80	3.20	5	100	1000	1	50	1.0	B8	
MM5Z3V3H	3.30	3.10	3.50	5	95	1000	1	20	1.0	C8	
MM5Z3V6H	3.60	3.40	3.80	5	90	1000	1	10	1.0	D8	
MM5Z3V9H	3.90	3.70	4.10	5	90	1000	1	5.0	1.0	E8	
MM5Z4V3H	4.30	4.00	4.60	5	90	1000	1	5.0	1.0	F8	
MM5Z4V7H	4.70	4.40	5.00	5	80	800	1	2.0	1.0	G8	
MM5Z5V1H	5.10	4.80	5.40	5	60	500	1	2.0	1.5	H8	
MM5Z5V6H	5.60	5.20	6.00	5	40	200	1	1.0	2.5	I8	
MM5Z6V2H	6.20	5.80	6.60	5	10	100	1	1.0	3.0	J8	
MM5Z6V8H	6.80	6.40	7.20	5	15	160	1	0.5	3.5	K8	
MM5Z7V5H	7.50	7.00	7.90	5	15	160	1	0.5	4.0	L8	
MM5Z8V2H	8.20	7.70	8.70	5	15	160	1	0.5	5.0	M8	
MM5Z9V1H	9.10	8.50	9.60	5	15	160	1	0.5	6.0	N8	
MM5Z10H	10.00	9.40	10.60	5	20	160	1	0.1	7.0	O8	
MM5Z11H	11.00	10.40	11.60	5	20	160	1	0.1	8.0	P8	
MM5Z12H	12.00	11.40	12.70	5	25	80	1	0.1	9.0	Q8	
MM5Z13H	13.25	12.40	14.10	5	30	80	1	0.1	10	R8	
MM5Z15H	15.00	14.30	15.80	5	30	80	1	0.1	11	S8	
MM5Z16H	16.20	15.30	17.10	2	40	80	1	0.1	12	T8	
MM5Z18H	18.00	16.80	19.10	2	45	80	1	0.1	13	U8	
MM5Z20H	20.00	18.80	21.20	2	55	100	1	0.1	15	V8	
MM5Z22H	22.00	20.80	23.30	2	55	100	1	0.1	17	W8	
MM5Z24H	24.20	22.80	25.60	2	70	120	1	0.1	19	X8	
MM5Z27H	27.00	25.10	28.90	2	80	300	1	0.1	21	Y8	
MM5Z30H	30.00	28.00	32.00	2	80	300	1	0.1	23	Z8	
MM5Z33H	33.00	31.00	35.00	2	80	300	1	0.1	25	A9	
MM5Z36H	36.00	34.00	38.00	2	90	500	1	0.1	27	B9	
MM5Z39H	39.00	37.00	41.00	2	130	500	1	2.0	30	C9	
MM5Z43H	43.00	40.00	46.00	1	150	500	1	2.0	33	D9	
MM5Z47H	47.00	44.00	50.00	1	170	500	1	2.0	36	E9	
MM5Z51H	51.00	48.00	54.00	1	180	500	1	1.0	39	F9	
MM5Z56H	56.00	52.00	60.00	1	200	500	1	1.0	43	G9	
MM5Z62H	62.00	58.00	66.00	1	215	500	1	0.2	47	H9	
MM5Z68H	68.00	64.00	72.00	1	240	500	1	0.2	52	I9	
MM5Z75H	75.00	70.00	79.00	1	255	500	1	0.2	57	J9	

NOTE : Tested with pulses tp = 20ms.

ZENER DIODES

200mW / SOD-523 / Halogen-free
Tolerance approximately ± 2%

TYPE	Zener Voltage Range (NOTE)				Dynamic Impedance		Max. Reverse Leakage Current		Marking	Equivalent Circuit Diagram
	V_Z @ I_{ZT}				Z_{ZT}	I_{ZT}	I_R @ V_R			
	Nom. (V)	Min. (V)	Max. (V)	I_{ZT} (mA)	Ω	(mA)	(μA)	(V)		
MM5Z2B4H	2.4	2.352	2.448	5	100	5	120	1.0	XY	
MM5Z2B7H	2.7	2.646	2.754	5	110	5	120	1.0	XZ	
MM5Z3B0H	3.0	2.940	3.060	5	120	5	50	1.0	FR	
MM5Z3B3H	3.3	3.234	3.366	5	130	5	20	1.0	FX	
MM5Z3B6H	3.6	3.528	3.672	5	130	5	10	1.0	FY	
MM5Z3B9H	3.9	3.822	3.978	5	130	5	5	1.0	FZ	
MM5Z4B3H	4.3	4.214	4.386	5	130	5	5	1.0	HA	
MM5Z4B7H	4.7	4.606	4.794	5	130	5	2	1.0	HB	
MM5Z5B1H	5.1	4.998	5.202	5	130	5	2	1.5	HC	
MM5Z5B6H	5.6	5.488	5.712	5	80	5	1	2.5	HD	
MM5Z6B2H	6.2	6.076	6.324	5	50	5	1	3.0	HE	
MM5Z6B8H	6.8	6.664	6.936	5	30	5	0.5	3.5	HF	
MM5Z7B5H	7.5	7.350	7.650	5	30	5	0.5	4	HH	
MM5Z8B2H	8.2	8.036	8.364	5	30	5	0.5	5	HJ	
MM5Z9B1H	9.1	8.918	9.282	5	30	5	0.5	6	HK	
MM5ZB10H	10	9.800	10.200	5	30	5	0.1	7	HM	
MM5ZB11H	11	10.780	11.220	5	30	5	0.1	8	HN	
MM5ZB12H	12	11.760	12.240	5	35	5	0.1	9	HP	
MM5ZB13H	13	12.740	13.260	5	35	5	0.1	10	HR	
MM5ZB15H	15	14.700	15.300	5	40	5	0.1	11	HX	
MM5ZB16H	16	15.680	16.320	5	40	5	0.1	12	HY	
MM5ZB18H	18	17.640	18.360	5	45	5	0.1	13	HZ	
MM5ZB20H	20	19.600	20.400	5	50	5	0.1	15	JA	
MM5ZB22H	22	21.560	22.440	5	55	5	0.1	17	JB	
MM5ZB24H	24	23.520	24.480	5	60	5	0.1	19	JC	
MM5ZB27H	27	26.460	27.540	5	70	2	0.1	21	JD	
MM5ZB30H	30	29.400	30.600	5	80	2	0.1	23	JE	
MM5ZB33H	33	32.340	33.660	5	80	2	0.1	25	JF	
MM5ZB36H	36	35.280	36.720	5	90	2	0.1	27	JH	
MM5ZB39H	39	38.220	39.780	2.5	100	2	2.0	30	JJ	
MM5ZB43H	43	42.140	43.860	2.5	130	2	2.0	33	JK	
MM5ZB47H	47	46.060	47.940	2.5	150	2	2.0	36	JM	
MM5ZB51H	51	49.980	52.020	2.5	180	2	1.0	39	YA	
MM5ZB56H	56	54.880	57.120	2.5	180	2	1.0	43	YB	
MM5ZB62H	62	60.760	63.240	2.5	200	2	0.2	47	YC	
MM5ZB68H	68	66.640	69.360	2.5	250	2	0.2	52	YD	
MM5ZB75H	75	73.500	76.500	2.5	300	2	0.2	57	YE	

NOTE : V_Z is tested with pulses (20 ms)

ZENER DIODES

300mW / SOD-323 (Flat lead) / Halogen-free
Tolerance approximately ± 5%

TYPE	Zener Voltage Range (NOTE 1, 2)				Max. Zener Impedance (NOTE 3)			Max. Reverse Leakage Current		Marking	Equivalent Circuit Diagram
	V_Z @ I_{ZT}				Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK}	I_R @ V_R			
	Nom. (V)	Min. (V)	Max. (V)	I_{ZT} (mA)	Ω	Ω	(mA)	(μA)	(V)		
MM3Z5221BH	2.4	2.28	2.52	20	30	1200	0.25	100	1	A1	
MM3Z5223BH	2.7	2.57	2.84	20	30	1300	0.25	75	1	B1	
MM3Z5225BH	3	2.85	3.15	20	29	1600	0.25	50	1	C1	
MM3Z5226BH	3.3	3.14	3.47	20	28	1600	0.25	25	1	D1	
MM3Z5227BH	3.6	3.42	3.78	20	24	1700	0.25	15	1	E1	
MM3Z5228BH	3.9	3.71	4.10	20	23	1900	0.25	10	1	F1	
MM3Z5229BH	4.3	4.09	4.52	20	22	2000	0.25	5	1	H1	
MM3Z5230BH	4.7	4.47	4.94	20	19	1900	0.25	5	2	J1	
MM3Z5231BH	5.1	4.85	5.36	20	17	1600	0.25	5	2	K1	
MM3Z5232BH	5.6	5.32	5.88	20	11	1600	0.25	5	3	M1	
MM3Z5234BH	6.2	5.89	6.51	20	7	1000	0.25	5	4	N1	
MM3Z5235BH	6.8	6.46	7.14	20	5	750	0.25	3	5	P1	
MM3Z5236BH	7.5	7.13	7.88	20	6	500	0.25	3	6	R1	
MM3Z5237BH	8.2	7.79	8.61	20	8	500	0.25	3	6.5	X1	
MM3Z5239BH	9.1	8.65	9.56	20	10	600	0.25	3	7	Y1	
MM3Z5240BH	10	9.50	10.50	20	17	600	0.25	3	8	Z1	
MM3Z5241BH	11	10.45	11.55	20	22	600	0.25	2	8.4	A2	
MM3Z5242BH	12	11.40	12.60	20	30	600	0.25	1	9.1	B2	
MM3Z5243BH	13	12.35	13.65	9.5	13	600	0.25	0.5	9.9	C2	
MM3Z5245BH	15	14.25	15.75	8.5	16	600	0.25	0.1	11	D2	
MM3Z5246BH	16	15.20	16.80	7.8	17	600	0.25	0.1	12	E2	
MM3Z5248BH	18	17.10	18.90	7.0	21	600	0.25	0.1	14	F2	
MM3Z5249BH	19	18.05	19.95	6.6	23	600	0.25	0.1	14	N9	
MM3Z5250BH	20	19.00	21.00	6.2	25	600	0.25	0.1	15	H2	
MM3Z5251BH	22	20.90	23.10	5.6	29	600	0.25	0.1	17	J2	
MM3Z5252BH	24	22.80	25.20	5.2	33	600	0.25	0.1	18	K2	
MM3Z5253BH	25	23.75	26.25	5.0	35	600	0.25	0.1	19	P9	
MM3Z5254BH	27	25.65	28.35	4.6	41	600	0.25	0.1	21	M2	
MM3Z5256BH	30	28.50	31.50	4.2	49	600	0.25	0.1	23	N2	
MM3Z5257BH	33	31.35	34.65	3.8	58	700	0.25	0.1	25	P2	
MM3Z5258BH	36	34.20	37.80	3.4	70	700	0.25	0.1	27	R2	
MM3Z5259BH	39	37.05	40.95	3.2	80	800	0.25	0.1	30	X2	
MM3Z5260BH	43	40.85	45.15	3.0	93	900	0.25	0.1	33	Y2	
MM3Z5261BH	47	44.65	49.35	2.7	105	1000	0.25	0.1	36	Z2	
MM3Z5262BH	51	48.45	53.55	2.5	125	1100	0.25	0.1	39	A3	
MM3Z5263BH	56	53.20	58.80	2.2	150	1300	0.25	0.1	43	B3	
MM3Z5265BH	62	58.90	65.10	2.0	185	1400	0.25	0.1	47	C3	
MM3Z5266BH	68	64.60	71.40	1.8	230	1600	0.25	0.1	52	D3	
MM3Z5267BH	75	71.25	78.75	1.7	270	1700	0.25	0.1	56	E3	

NOTES : (1) V_Z is tested with pulses (20 ms)

(2) Nominal Zener voltage is measured with the device junction in thermal equilibrium at T_L = 30℃ ± 1℃

(3) Z_{ZT} and Z_{ZK} are measured by dividing the AC voltage drop across the device by the AC current applied. The specified limits are for $I_{Z(AC)}$ = 0.1 $I_{Z(DC)}$ with the AC frequency = 1KHz.

ZENER DIODES

300mW / SOD-323 (Flat lead) / Halogen-free
Tolerance approximately ± 2%

TYPE	Zener Voltage Range (NOTE)				Dynamic Impedance		Max. Reverse Leakage Current		Marking	Equivalent Circuit Diagram
	V_Z @ I_{ZT}				Z_{ZT}	I_{ZT}	I_R @ V_R			
	Nom. (V)	Min. (V)	Max. (V)	I_{ZT} (mA)	Ω	(mA)	(μA)	(V)		
MM3Z2B4H	2.4	2.352	2.448	5	100	5	120	1.0	DN	
MM3Z2B7H	2.7	2.646	2.754	5	110	5	120	1.0	DP	
MM3Z3B0H	3.0	2.940	3.060	5	120	5	50	1.0	DR	
MM3Z3B3H	3.3	3.234	3.366	5	130	5	20	1.0	DX	
MM3Z3B6H	3.6	3.528	3.672	5	130	5	10	1.0	DY	
MM3Z3B9H	3.9	3.822	3.978	5	130	5	5.0	1.0	DZ	
MM3Z4B3H	4.3	4.214	4.386	5	130	5	5.0	1.0	Z0	
MM3Z4B7H	4.7	4.606	4.794	5	130	5	2.0	1.0	EB	
MM3Z5B1H	5.1	4.998	5.202	5	130	5	2.0	1.5	EC	
MM3Z5B6H	5.6	5.488	5.712	5	80	5	1.0	2.5	7P	
MM3Z6B2H	6.2	6.076	6.324	5	50	5	1.0	3.0	EE	
MM3Z6B8H	6.8	6.664	6.936	5	30	5	0.5	3.5	EF	
MM3Z7B5H	7.5	7.350	7.650	5	30	5	0.5	4	EH	
MM3Z8B2H	8.2	8.036	8.364	5	30	5	0.5	5	EJ	
MM3Z9B1H	9.1	8.918	9.282	5	30	5	0.5	6	EK	
MM3ZB10H	10	9.800	10.200	5	30	5	0.1	7	EM	
MM3ZB11H	11	10.780	11.220	5	30	5	0.1	8	EN	
MM3ZB12H	12	11.760	12.240	5	35	5	0.1	9	EP	
MM3ZB13H	13	12.740	13.260	5	35	5	0.1	10	ER	
MM3ZB15H	15	14.700	15.300	5	40	5	0.1	11	EX	
MM3ZB16H	16	15.680	16.320	5	40	5	0.1	12	EY	
MM3ZB18H	18	17.640	18.360	6	45	5	0.1	13	EZ	
MM3ZB20H	20	19.600	20.400	5	50	5	0.1	15	FA	
MM3ZB22H	22	21.560	22.440	5	55	5	0.1	17	FB	
MM3ZB24H	24	23.520	24.480	5	60	5	0.1	19	FC	
MM3ZB27H	27	26.460	27.540	5	70	2	0.1	21	FD	
MM3ZB30H	30	29.400	30.600	5	80	2	0.1	23	FE	
MM3ZB33H	33	32.340	33.660	5	80	2	0.1	25	FF	
MM3ZB36H	36	35.280	36.720	5	90	2	0.1	27	FH	
MM3ZB39H	39	38.220	39.780	2.5	100	2	2.0	30	FJ	
MM3ZB43H	43	42.140	43.860	2.5	130	2	2.0	33	XJ	
MM3ZB47H	47	46.060	47.940	2.5	150	2	2.0	36	XK	
MM3ZB51H	51	49.980	52.020	2.5	180	2	1.0	39	XM	
MM3ZB56H	56	54.880	57.120	2.5	180	2	1.0	43	XN	
MM3ZB62H	62	60.760	63.240	2.5	200	2	0.2	47	XP	
MM3ZB68H	68	66.640	69.360	2.5	250	2	0.2	52	XR	
MM3ZB75H	75	73.500	76.500	2.5	300	2	0.2	57	XX	

NOTE : V_Z is tested with pulses (20 ms)

ZENER DIODES

500mW / SOD-123 (Flat lead) / Halogen-free

Tolerance approximately ± 5%

TYPE	Zener Voltage Range (NOTE 1, 2)				Max. Zener Impedance (NOTE 3)			Max. Reverse Leakage Current		Marking	Equivalent Circuit Diagram
	V_Z @ I_{ZT}				Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK}	I_R @ V_R			
	Nom. (V)	Min. (V)	Max. (V)	I_{ZT} (mA)	Ω	Ω	(mA)	(μA)	(V)		
MM1Z5221BH	2.4	2.28	2.52	20	30	1200	0.25	100	1	A4	
MM1Z5223BH	2.7	2.57	2.84	20	30	1300	0.25	75	1	B4	
MM1Z5225BH	3.0	2.85	3.15	20	29	1600	0.25	50	1	C4	
MM1Z5226BH	3.3	3.14	3.47	20	28	1600	0.25	25	1	D4	
MM1Z5227BH	3.6	3.42	3.78	20	24	1700	0.25	15	1	E4	
MM1Z5228BH	3.9	3.71	4.10	20	23	1900	0.25	10	1	F4	
MM1Z5229BH	4.3	4.09	4.52	20	22	2000	0.25	5	1	H4	
MM1Z5230BH	4.7	4.47	4.94	20	19	1900	0.25	5	2	J4	
MM1Z5231BH	5.1	4.85	5.36	20	17	1600	0.25	5	2	K4	
MM1Z5232BH	5.6	5.32	5.88	20	11	1600	0.25	5	3	M4	
MM1Z5234BH	6.2	5.89	6.51	20	7	1000	0.25	5	4	N4	
MM1Z5235BH	6.8	6.46	7.14	20	5	750	0.25	3	5	P4	
MM1Z5236BH	7.5	7.13	7.88	20	6	500	0.25	3	6	R4	
MM1Z5237BH	8.2	7.79	8.61	20	8	500	0.25	3	6.5	X4	
MM1Z5239BH	9.1	8.65	9.56	20	10	600	0.25	3	7	Y4	
MM1Z5240BH	10	9.50	10.50	20	17	600	0.25	3	8	Z4	
MM1Z5241BH	11	10.45	11.55	20	22	600	0.25	2	8.4	A5	
MM1Z5242BH	12	11.40	12.60	20	30	600	0.25	1	9.1	B5	
MM1Z5243BH	13	12.35	13.65	9.5	13	600	0.25	0.5	9.9	C5	
MM1Z5245BH	15	14.25	15.75	8.5	16	600	0.25	0.1	11	D5	
MM1Z5246BH	16	15.20	16.80	7.8	17	600	0.25	0.1	12	E5	
MM1Z5248BH	18	17.10	18.90	7.0	21	600	0.25	0.1	14	F5	
MM1Z5249BH	19	18.05	19.95	6.6	23	600	0.25	0.1	14	K9	
MM1Z5250BH	20	19.00	21.00	6.2	25	600	0.25	0.1	15	H5	
MM1Z5251BH	22	20.90	23.10	5.6	29	600	0.25	0.1	17	J5	
MM1Z5252BH	24	22.80	25.20	5.2	33	600	0.25	0.1	18	K5	
MM1Z5253BH	25	23.75	26.25	5.0	35	600	0.25	0.1	19	M9	
MM1Z5254BH	27	25.65	28.35	4.6	41	600	0.25	0.1	21	M5	
MM1Z5256BH	30	28.50	31.50	4.2	49	600	0.25	0.1	23	N5	
MM1Z5257BH	33	31.35	34.65	3.8	58	700	0.25	0.1	25	P5	
MM1Z5258BH	36	34.20	37.80	3.4	70	700	0.25	0.1	27	R5	
MM1Z5259BH	39	37.05	40.95	3.2	80	800	0.25	0.1	30	X5	
MM1Z5260BH	43	40.85	45.15	3.0	93	900	0.25	0.1	33	Y5	
MM1Z5261BH	47	44.65	49.35	2.7	105	1000	0.25	0.1	36	Z5	
MM1Z5262BH	51	48.45	53.55	2.5	125	1100	0.25	0.1	39	A6	
MM1Z5263BH	56	53.20	58.80	2.2	150	1300	0.25	0.1	43	B6	
MM1Z5265BH	62	58.90	65.10	2.0	185	1400	0.25	0.1	47	C6	
MM1Z5266BH	68	64.60	71.40	1.8	230	1600	0.25	0.1	52	D6	
MM1Z5267BH	75	71.25	78.75	1.7	270	1700	0.25	0.1	56	E6	

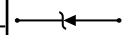
NOTES : (1) V_Z is tested with pulses (20 ms)

(2) Nominal Zener voltage is measured with the device junction in thermal equilibrium at T_L = 30℃ ± 1℃

(3) Z_{ZT} and Z_{ZK} are measured by dividing the AC voltage drop across the device by the AC current applied.
The specified limits are for $I_{Z(AC)}$ = 0.1 $I_{Z(DC)}$ with the AC frequency = 1KHz.

ZENER DIODES

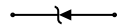
500mW / SOD-123 (Flat lead) / Halogen-free
Tolerance approximately ± 2%

TYPE	Zener Voltage Range (NOTE 1)				Dynamic Impedance		Max. Reverse Leakage Current		Marking	Equivalent Circuit Diagram
	V_Z @ I_{ZT}				Z_{ZT}	I_{ZT}	I_R @ V_R			
	Nom. (V)	Min. (V)	Max. (V)	I_{ZT} (mA)	Ω	(mA)	(μA)	(V)		
MM1Z2B4H	2.4	2.352	2.448	5	100	5	120	1.0	5Y1	
MM1Z2B7H	2.7	2.646	2.754	5	110	5	120	1.0	5Z1	
MM1Z3B0H	3.0	2.940	3.060	5	120	5	50	1.0	6A1	
MM1Z3B3H	3.3	3.234	3.366	5	130	5	20	1.0	6B1	
MM1Z3B6H	3.6	3.528	3.672	5	130	5	10	1.0	6C1	
MM1Z3B9H	3.9	3.822	3.978	5	130	5	5.0	1.0	6D1	
MM1Z4B3H	4.3	4.214	4.386	5	130	5	5.0	1.0	6E1	
MM1Z4B7H	4.7	4.606	4.794	5	130	5	2.0	1.0	6F1	
MM1Z5B1H	5.1	4.998	5.202	5	130	5	2.0	1.5	6G1	
MM1Z5B6H	5.6	5.488	5.712	5	80	5	1.0	2.5	6H1	
MM1Z6B2H	6.2	6.076	6.324	5	50	5	1.0	3.0	6J1	
MM1Z6B8H	6.8	6.664	6.936	5	30	5	0.5	3.5	6K1	
MM1Z7B5H	7.5	7.350	7.650	5	30	5	0.5	4.0	6L1	
MM1Z8B2H	8.2	8.036	8.364	5	30	5	0.5	5.0	6M1	
MM1Z9B1H	9.1	8.918	9.282	5	30	5	0.5	6.0	6N1	
MM1ZB10H	10	9.800	10.200	5	30	5	0.1	7.0	6P1	
MM1ZB11H	11	10.780	11.220	5	30	5	0.1	8.0	6Q1	
MM1ZB12H	12	11.760	12.240	5	35	5	0.1	9.0	6R1	
MM1ZB13H	13	12.740	13.260	5	35	5	0.1	10.0	6S1	
MM1ZB15H	15	14.700	15.300	5	40	5	0.1	11.0	6T1	
MM1ZB16H	16	15.680	16.320	5	40	5	0.1	12.0	6U1	
MM1ZB18H	18	17.640	18.360	5	45	5	0.1	13.0	6W1	
MM1ZB20H	20	19.600	20.400	5	50	5	0.1	15.0	6X1	
MM1ZB22H	22	21.560	22.440	5	55	5	0.1	17.0	6Y1	
MM1ZB24H	24	23.520	24.480	5	60	5	0.1	19.0	6Z1	
MM1ZB27H	27	26.460	27.540	5	70	2	0.1	21.0	7A1	
MM1ZB30H	30	29.400	30.600	5	80	2	0.1	23.0	7B1	
MM1ZB33H	33	32.340	33.660	5	80	2	0.1	25.0	7C1	
MM1ZB36H	36	35.280	36.720	5	90	2	0.1	27.0	7D1	
MM1ZB39H	39	38.220	39.780	2.5	100	2	2.0	30.0	7E1	
MM1ZB43H	43	42.140	43.860	2.5	130	2	2.0	33.0	7F1	
MM1ZB47H	47	46.060	47.940	2.5	150	2	2.0	36.0	7G1	
MM1ZB51H	51	49.980	52.020	2.5	180	2	1.0	39.0	7H1	
MM1ZB56H	56	54.880	57.120	2.5	180	2	1.0	43.0	7J1	
MM1ZB62H	62	60.760	63.240	2.5	200	2	0.2	47.0	7K1	
MM1ZB68H	68	66.640	69.360	2.5	250	2	0.2	52.0	7L1	
MM1ZB75H	75	73.500	76.500	2.5	300	2	0.2	57.0	7M1	

NOTE : V_Z is tested with pulses (20 ms)

ZENER DIODES

500mW / LL-34 (SOD-80)

TYPE	Zener Voltage Range (NOTE)				Max. Zener Impedance			Max. Reverse Leakage Current		Equivalent Circuit Diagram
	V_Z @ I_{ZT}				Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK}	I_R @ V_R		
	Nom. (V)	Min. (V)	Max. (V)	I_{ZT} (mA)	Ω	Ω	(mA)	(μA)	(V)	
BZT52C2V4	2.4	2.2	2.6	5	100	600	1.0	50	1.0	
BZT52C2V7	2.7	2.5	2.9	5	100	600	1.0	20	1.0	
BZT52C3V0	3.0	2.8	3.2	5	95	600	1.0	10	1.0	
BZT52C3V3	3.3	3.1	3.5	5	95	600	1.0	5	1.0	
BZT52C3V6	3.6	3.4	3.8	5	90	600	1.0	5	1.0	
BZT52C3V9	3.9	3.7	4.1	5	90	600	1.0	3	1.0	
BZT52C4V3	4.3	4.0	4.6	5	90	600	1.0	3	1.0	
BZT52C4V7	4.7	4.4	5.0	5	80	500	1.0	3	2.0	
BZT52C5V1	5.1	4.8	5.4	5	60	480	1.0	2	2.0	
BZT52C5V6	5.6	5.2	6.0	5	40	400	1.0	1	2.0	
BZT52C6V2	6.2	5.8	6.6	5	10	150	1.0	3	4.0	
BZT52C6V8	6.8	6.4	7.2	5	15	80	1.0	2	4.0	
BZT52C7V5	7.5	7.0	7.9	5	15	80	1.0	1	5.0	
BZT52C8V2	8.2	7.7	8.7	5	15	80	1.0	0.7	5.0	
BZT52C9V1	9.1	8.5	9.6	5	15	100	1.0	0.5	6.0	
BZT52C10	10	9.4	10.6	5	20	150	1.0	0.2	7.0	
BZT52C11	11	10.4	11.6	5	20	150	1.0	0.1	8.0	
BZT52C12	12	11.4	12.7	5	25	150	1.0	0.1	8.0	
BZT52C13	13	12.4	14.1	5	30	170	1.0	0.1	8.0	
BZT52C15	15	13.8	15.6	5	30	200	1.0	0.1	10.5	
BZT52C16	16	15.3	17.1	5	40	200	1.0	0.1	11.2	
BZT52C18	18	16.8	19.1	5	45	225	1.0	0.1	12.6	
BZT52C20	20	18.8	21.2	5	55	225	1.0	0.1	14.0	
BZT52C22	22	20.8	23.3	5	55	250	1.0	0.1	15.4	
BZT52C24	24	22.8	25.6	5	70	250	1.0	0.1	16.8	
BZT52C27	27	25.1	28.9	2	80	300	0.5	0.1	18.9	
BZT52C30	30	28.0	32.0	2	80	300	0.5	0.1	21.0	
BZT52C33	33	31.0	35.0	2	80	325	0.5	0.1	23.1	
BZT52C36	36	34.0	38.0	2	90	350	0.5	0.1	25.2	
BZT52C39	39	37.0	41.0	2	130	350	0.5	0.1	27.3	

NOTE : V_Z is tested with pulses (20 ms)

ZENER DIODES

500mW / DO-35
Tolerance approximately ± 5%

TYPE	Zener Voltage Range (NOTE 3)				Max. Zener Impedance (NOTE 1)			Max. Reverse Leakage Current (NOTE 2)		Equivalent Circuit Diagram
	V_Z @ I_{ZT}				Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK}	I_R @ V_R		
	Nom. (V)	Min. (V)	Max. (V)	I_{ZT} (mA)	Ω	Ω	(mA)	(μA)	(V)	
1N5220B	2.2	2.09	2.31	20.0	30	1150	0.25	100	1.0	
1N5221B	2.4	2.28	2.52	20.0	30	1200	0.25	100	1.0	
1N5222B	2.5	2.38	2.63	20.0	30	1250	0.25	100	1.0	
1N5223B	2.7	2.57	2.84	20.0	30	1300	0.25	75	1.0	
1N5224B	2.8	2.66	2.94	20.0	30	1400	0.25	75	1.0	
1N5225B	3.0	2.85	3.15	20.0	29	1600	0.25	50	1.0	
1N5226B	3.3	3.14	3.47	20.0	28	1600	0.25	25	1.0	
1N5227B	3.6	3.42	3.78	20.0	24	1700	0.25	15	1.0	
1N5228B	3.9	3.71	4.10	20.0	23	1900	0.25	10	1.0	
1N5229B	4.3	4.09	4.52	20.0	22	2000	0.25	5	1.0	
1N5230B	4.7	4.47	4.94	20.0	19	1900	0.25	5	2.0	
1N5231B	5.1	4.85	5.36	20.0	17	1600	0.25	5	2.0	
1N5232B	5.6	5.32	5.88	20.0	11	1600	0.25	5	3.0	
1N5233B	6.0	5.70	6.30	20.0	7	1600	0.25	5	3.5	
1N5234B	6.2	5.89	6.51	20.0	7	1000	0.25	5	4.0	
1N5235B	6.8	6.46	7.14	20.0	5	750	0.25	3	5.0	
1N5236B	7.5	7.13	7.88	20.0	6	500	0.25	3	6.0	
1N5237B	8.2	7.79	8.61	20.0	8	500	0.25	3	6.5	
1N5238B	8.7	8.27	9.14	20.0	8	600	0.25	3	6.5	
1N5239B	9.1	8.65	9.56	20.0	10	600	0.25	3	7.0	
1N5240B	10	9.50	10.50	20.0	17	600	0.25	3	8.0	
1N5241B	11	10.45	11.55	20.0	22	600	0.25	2	8.4	
1N5242B	12	11.40	12.60	20.0	30	600	0.25	1	9.1	
1N5243B	13	12.35	13.65	9.5	13	600	0.25	0.5	9.9	
1N5244B	14	13.30	14.70	9.0	15	600	0.25	0.1	10	
1N5245B	15	14.25	15.75	8.5	16	600	0.25	0.1	11	
1N5246B	16	15.20	16.80	7.8	17	600	0.25	0.1	12	
1N5247B	17	16.15	17.85	7.4	19	600	0.25	0.1	13	
1N5248B	18	17.10	18.90	7.0	21	600	0.25	0.1	14	
1N5249B	19	18.05	19.95	6.6	23	600	0.25	0.1	14	
1N5250B	20	19.00	21.00	6.2	25	600	0.25	0.1	15	
1N5251B	22	20.90	23.10	5.6	29	600	0.25	0.1	17	
1N5252B	24	22.80	25.20	5.2	33	600	0.25	0.1	18	
1N5253B	25	23.75	26.25	5.0	35	600	0.25	0.1	19	
1N5254B	27	25.65	28.35	4.6	41	600	0.25	0.1	21	
1N5255B	28	26.60	29.40	4.5	44	600	0.25	0.1	21	
1N5256B	30	28.50	31.50	4.2	49	600	0.25	0.1	23	
1N5257B	33	31.35	34.65	3.8	58	700	0.25	0.1	25	
1N5258B	36	34.20	37.80	3.4	70	700	0.25	0.1	27	
1N5259B	39	37.05	40.95	3.2	80	800	0.25	0.1	30	
1N5260B	43	40.85	45.15	3.0	93	900	0.25	0.1	33	
1N5261B	47	44.65	49.35	2.7	105	1000	0.25	0.1	36	
1N5262B	51	48.45	53.55	2.50	125	1100	0.25	0.1	39	
1N5263B	56	53.20	58.80	2.20	150	1300	0.25	0.1	43	
1N5264B	60	57.00	63.00	2.10	170	1400	0.25	0.1	46	
1N5265B	62	58.90	65.10	2.00	185	1400	0.25	0.1	47	
1N5266B	68	64.60	71.40	1.80	230	1600	0.25	0.1	52	
1N5267B	75	71.25	78.75	1.70	270	1700	0.25	0.1	56	

NOTES : (1) The Zener Impedance is derived from the 60Hz AC voltage which results when an AC current having an RMS value equal to 10% of the Zener current (I_{ZT} or I_{ZK}) is superimposed on I_{ZT} or I_{ZK} Zener Impedance is measured at two points to insure a sharp knee on the breakdown curve and to eliminate unstable units.

(2) Vaild provided that leads at a distance of 8 mm from case ard kept at ambient temperature.

(3) Tested with pulses tp = 20 ms.

ZENER DIODES

1000mW / Glass Case DO-204AL (DO-41)
Tolerance approximately ± 5%

TYPE	Zener Voltage Range (NOTE 3, 5)				Max. Zener Impedance (NOTE 1)			Max. Reverse Leakage Current		Max. Surge Current (NOTE 4)	Max. Regulator Current (NOTE 2)
	V_Z @ I_{ZT}				Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK}	I_R @ V_R		at T_A = 25℃	
	Nom. (V)	Min. (V)	Max. (V)	I_{ZT} (mA)	Ω	Ω	(mA)	(μ A)	(V)	I_{ZSM} (mA)	I_{ZM} (mA)
1N4727A	3.0	2.85	3.15	83.0	10.0	400	1.00	150	1.0	1375	275
1N4728A	3.3	3.13	3.47	76.0	10.0	400	1.00	150	1.0	1375	275
1N4729A	3.6	3.42	3.78	69.0	10.0	400	1.00	100	1.0	1260	252
1N4730A	3.9	3.70	4.10	64.0	9.0	400	1.00	100	1.0	1190	234
1N4731A	4.3	4.08	4.52	58.0	9.0	400	1.00	50	1.0	1070	217
1N4732A	4.7	4.46	4.94	53.0	8.0	500	1.00	10	1.0	970	193
1N4733A	5.1	4.84	5.36	49.0	7.0	550	1.00	10	1.0	890	178
1N4734A	5.6	5.32	5.88	45.0	5.0	600	1.00	10	2.0	810	162
1N4735A	6.2	5.89	6.51	41.0	2.0	700	1.00	10	3.0	730	146
1N4736A	6.8	6.46	7.14	37.0	3.5	700	1.00	10	4.0	660	133
1N4737A	7.5	7.12	7.88	34.0	4.0	700	0.50	10	5.0	605	121
1N4738A	8.2	7.79	8.61	31.0	4.5	700	0.50	10	6.0	550	110
1N4739A	9.1	8.64	9.56	28.0	5	700	0.50	10	7.0	500	100
1N4740A	10.0	9.50	10.50	25.0	7	700	0.25	10	7.6	454	91
1N4741A	11.0	10.45	11.55	23.0	8	700	0.25	5	8.4	414	83
1N4742A	12.0	11.40	12.60	21.0	9	700	0.25	5	9.1	380	76
1N4743A	13.0	12.35	13.65	19.0	10	700	0.25	5	9.9	344	69
1N4744A	15.0	14.25	15.75	17.0	14	700	0.25	5	11.4	304	61
1N4745A	16.0	15.20	16.80	15.5	16	700	0.25	5	12.2	285	57
1N4746A	18.0	17.10	18.90	14.0	20	750	0.25	5	13.7	250	50
1N4747A	20.0	19.00	21.00	12.5	22	750	0.25	5	15.2	225	45
1N4748A	22.0	20.90	23.10	11.5	23	750	0.25	5	16.7	205	41
1N4749A	24.0	22.80	25.20	10.5	25	750	0.25	5	18.2	190	38
1N4750A	27.0	25.65	28.35	9.5	35	750	0.25	5	20.6	170	34
1N4751A	30.0	28.50	31.50	8.5	40	1000	0.25	5	22.8	150	30
1N4752A	33.0	31.35	34.65	7.5	45	1000	0.25	5	25.1	135	27
1N4753A	36.0	34.20	37.80	7.0	50	1000	0.25	5	27.4	125	25
1N4754A	39.0	37.05	40.95	6.5	60	1000	0.25	5	39.7	115	23
1N4755A	43.0	40.85	45.15	6.0	70	1500	0.25	5	32.7	110	22
1N4756A	47.0	44.65	49.35	5.5	80	1500	0.25	5	35.8	95	19
1N4757A	51.0	48.45	53.55	5.0	95	1500	0.25	5	38.8	90	18
1N4758A	56.0	53.20	58.80	4.5	110	2000	0.25	5	42.6	80	16
1N4759A	62.0	58.90	65.10	4.0	125	2000	0.25	5	47.1	70	14
1N4760A	68.0	64.60	71.40	3.7	150	2000	0.25	5	51.7	65	13
1N4761A	75.0	71.25	78.75	3.3	175	2000	0.25	5	56.0	60	12

NOTES : (1) The Zener Impedance is derived from the 60Hz AC voltage which results when an AC current having an RMS value equal to 10% of the Zener current (I_{ZT} or I_{ZK}) is superimposed on I_{ZT} or I_{ZK} Zener Impedance is measured at two points to insure a sharp knee on the breakdown curve and to eliminate unstable units.

(2) Vaild provided that leads at a distance of 8 mm from case ard kept at ambient temperature.

(3) Measured under thermal equilibrium and DC test conditions.

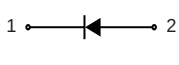
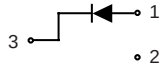
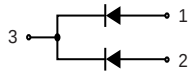
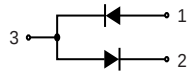
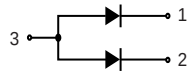
(4) The rating listed in the electrical characteristics table is maximum peak, non-repetitive, reverse surge current of 1/2 square wave or equivalent sine wave pulse of 1/120 second duration superimposed on the test current I_{ZT}.

(5) Tested with pulses tp = 20 ms.

SMALL SIGNAL SCHOTTKY BARRIER DIODE

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Equivalent Circuit Diagram
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	
	V	A	A	uA	A	V	
0.03 AMPERE / SOT-323 / Halogen-free							
RB715FGH	40	0.03	0.2 (@t = 1uS)	1.0 (@V_R 10V)	0.001	0.37	CIRCUIT 3
0.1 AMPERE / SOD-723 / Halogen-free							
RB520G-30GH	30	0.10	0.5	0.5 (@V_R 10V)	0.01	0.45	CIRCUIT 1
0.2 AMPERE / SOD-523 / Halogen-free							
RB521S-30GH	30	0.20	1.0	30 (@V_R 10V)	0.20	0.50	CIRCUIT 1
0.2 AMPERE / SOD-123 / Halogen-free							
BAT42WGH	30	0.20	4	0.50 (@V_R 25V)	0.20	1.00	CIRCUIT 1
BAT43WGH	30	0.20	4	0.50 (@V_R 25V)	0.20	1.00	CIRCUIT 1
0.2 AMPERE / SOD-323 / Halogen-free							
BAT43WSGH	30	0.20	4	0.5 (@V_R 25V)	0.20	1.00	CIRCUIT 1
BAT54WSGH	30	0.20	0.6 (@ t < 1.0s)	2.0 (@V_R 25V)	0.10	1.00	CIRCUIT 1
BAT54HT1GH	30	0.20	-	2.0 (@V_R 25V)	0.10	1.00	CIRCUIT 1
0.2 AMPERE / SOT-23 / Halogen-free							
BAT54RGH	30	0.20	-	2.0 (@V_R 25V)	0.10	1.00	CIRCUIT 2
BAT54RAGH	30	0.20	-	2.0 (@V_R 25V)	0.10	1.00	CIRCUIT 5
BAT54RCGH	30	0.20	-	2.0 (@V_R 25V)	0.10	1.00	CIRCUIT 3
BAT54RSGH	30	0.20	-	2.0 (@V_R 25V)	0.10	1.00	CIRCUIT 4
0.2 AMPERE / SOT-323 / Halogen-free							
BAT54WGH	30	0.20	-	2.0 (@V_R 25V)	0.10	1.00	CIRCUIT 2
BAT54AWGH	30	0.20	-	2.0 (@V_R 25V)	0.10	1.00	CIRCUIT 5
BAT54CWGH	30	0.20	-	2.0 (@V_R 25V)	0.10	1.00	CIRCUIT 3
BAT54SWGH	30	0.20	-	2.0 (@V_R 25V)	0.10	1.00	CIRCUIT 4
0.5 AMPERE / SOT-23 / Halogen-free							
RB411DGH	40	0.50	3	30 (@V_R 10V)	0.50	0.50	CIRCUIT 2
1.0 AMPERE / SOT-23 / Halogen-free							
RB491DGH	25	1.0	3	20 (@V_R 20V)	1.00	0.45	CIRCUIT 2

EQUIVALENT CIRCUIT DIAGRAM

CIRCUIT TYPE	CIRCUIT 1	CIRCUIT 2	CIRCUIT 3	CIRCUIT 4	CIRCUIT 5
SYMBOL					

SWITCHING DIODES

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Max. Reverse Recovery Time	Equivalent Circuit Diagram
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	T_{RR}	
	V	A	A	uA	A	V	nS	

0.1 AMPERE / SOD-323 / Halogen-free

1SS355GH	90	0.10	0.225	0.1 (@V_R 80V)	0.10	1.20	4	CIRCUIT 1

0.1 AMPERE / SOT-23 / Halogen-free

DAN217GH	80	0.10	4.0	0.1 (@V_R 80V)	0.10	1.20	-	CIRCUIT 4
MMBD2836GH	75	0.10	-	0.1 (@V_R 50V)	0.10	1.20	4	CIRCUIT 5
MMBD2837GH	75	0.15	-	0.1 (@V_R 30V)	0.10	1.20	4	CIRCUIT 3
MMBD2838GH	75	0.10	-	0.1 (@V_R 50V)	0.10	1.20	4	CIRCUIT 3

0.1 AMPERE / SOT-323 / Halogen-free

DAN217UGH	80	0.10	1.0 @t=10ms	0.1 (@V_R 70V)	0.10	1.20	-	CIRCUIT 4

0.1 AMPERE / SOD-523 / Halogen-free

1SS400GH	90	0.10	0.5	0.1 (@V_R 80V)	0.10	1.20	4	CIRCUIT 1

0.125 AMPERE / SOD-523 / Halogen-free

1N4148WTGH	75	0.125	2.0 (@ t = 1.0us)	1.0 (@V_R 75V)	0.15	1.25	4	CIRCUIT 1

0.15 AMPERE / SOD-123 / Halogen-free

1N4148WGH	75	0.15	2.0 (@ t = 1.0us)	5.0 (@V_R 75V)	0.01	1.00	4	CIRCUIT 1

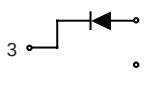
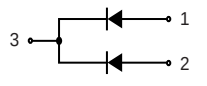
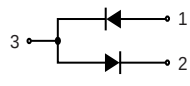
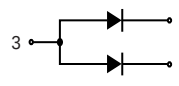
0.15 AMPERE / SOD-323 / Halogen-free

1N4148WSGH	75	0.15	0.35 (@ t < 1.0s)	5.0 (@V_R 75V)	0.01	1.00	4	CIRCUIT 1

0.20 AMPERE / DO-35 / Halogen-free

1N4148GH	75	0.20	4.0 (@ t = 1.0us)	5.0 (@V_R 75V)	0.01	1.00	4	CIRCUIT 1

EQUIVALENT CIRCUIT DIAGRAM

CIRCUIT TYPE	CIRCUIT 1	CIRCUIT 2	CIRCUIT 3	CIRCUIT 4	CIRCUIT 5
SYMBOL					

SWITCHING DIODES

TYPE	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current	Max. Reverse Current @ 25°C T_A	Max. Forward Voltage @ 25°C T_A		Max. Reverse Recovery Time	Equivalent Circuit Diagram
	V_{RRM}	I_O	I_{FSM} (Surge)	I_R	I_F	V_F	T_{RR}	
	V	A	A	uA	A	V	nS	

0.2 AMPERE / SOD-80 (LL-34) / Halogen-free

LL4148GH	75	0.2	4.0 (t = 1.0uS)	5.0 (@V_R 75V)	0.01	1.00	4	CIRCUIT 1

0.2 AMPERE / SOD-323 / Halogen-free

BAS16HT1GH	75	0.2	0.5	1.0 (@V_R 75V)	0.15	1.25	6	CIRCUIT 1
BAS21HT1GH	250	0.2	0.625	1.0 (@V_R 200V)	0.20	1.25	50	CIRCUIT 1
BAV19WSGH	120	0.2	2.5 (t = 1.0uS)	0.1 (@V_R 100V)	0.20	1.25	50	CIRCUIT 1
BAV20WSGH	200	0.2	2.5 (t = 1.0uS)	0.1 (@V_R 150V)	0.20	1.25	50	CIRCUIT 1
BAV21WSGH	250	0.2	2.5 (t = 1.0uS)	0.1 (@V_R 200V)	0.20	1.25	50	CIRCUIT 1
MMDL914T1GH	100	0.2	0.5	5.0 (@V_R 75V)	0.01	1.00	4	CIRCUIT 1

0.2 AMPERE / SOT-323 / Halogen-free

BAV70WGH	70	0.2	0.5	0.5 (@V_R 70V)	0.15	1.25	6	CIRCUIT 3
BAW56WGH	70	0.2	0.5	2.5 (@V_R 70V)	0.15	1.25	6	CIRCUIT 5

0.2 AMPERE / SOT-23 / Halogen-free

BAS16GH	75	0.2	0.5	1.0 (@V_R 75V)	0.15	1.25	6	CIRCUIT 2
BAS21GH	250	0.2	0.625	0.1 (@V_R 200V)	0.20	1.25	50	CIRCUIT 2
BAV70GH	70	0.2	0.5	2.5 (@V_R 70V)	0.15	1.25	6	CIRCUIT 3
BAW56GH	70	0.2	0.5	2.5 (@V_R 70V)	0.15	1.25	6	CIRCUIT 5
MMBD7000GH	100	0.2	0.5	3.0 (@V_R 100V)	0.10	1.10	4	CIRCUIT 4
MMBD914GH	100	0.2	0.5	5.0 (@V_R 75V)	0.01	1.00	4	CIRCUIT 2

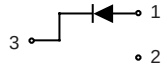
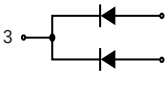
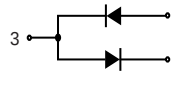
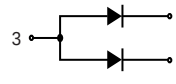
0.215 AMPERE / SOT-323 / Halogen-free

BAV99WGH	70	0.215	0.5	2.5 (@V_R 70V)	0.15	1.25	6	CIRCUIT 4

0.215 AMPERE / SOT-23 / Halogen-free

BAV99GH	70	0.215	0.5	2.5 (@V_R 70V)	0.15	1.25	6	CIRCUIT 4

EQUIVALENT CIRCUIT DIAGRAM

CIRCUIT TYPE	CIRCUIT 1	CIRCUIT 2	CIRCUIT 3	CIRCUIT 4	CIRCUIT 5
SYMBOL					

TRANSISTORS

SOT-23 / Halogen-free

TYPE	V_{CBO}	V_{CEO}	I_C	P_D	H_{FE}		$V_{CE(sat)}$		f_T	Equivalent Circuit Diagram
	(V)	(V)	(mA)	(mW)	Min. / Max.	I_C / V_{CE} (mA / V)	Max. (V)	I_C / I_B (mA)	MH_Z	
MMBT3906GH	-40	-40	-200	225	100 / 300	-10 / -1.0	-0.4	-50 / -5.0	250	CIRCUIT 2
MMBT4403GH	-40	-40	-600	225	100 / 300	-150 / -2.0	-0.75	-500 / -50	200	CIRCUIT 2
MMBT2907AGH	-60	-60	-600	225	100 / 300	-150 / -10	-0.4	-150 / -15	200	CIRCUIT 2
MMBT5401GH	-160	-150	-500	225	60 / 240	-10 / -5	-0.5	-50 / -5.0	300	CIRCUIT 2
MMBT3904GH	60	40	200	225	100 / 300	10 / 1.0	0.3	50 / 5.0	300	CIRCUIT 1
MMBT4401GH	60	40	600	225	100 / 300	150 / 1.0	0.75	500 / 50	250	CIRCUIT 1
MMBT2222AGH	75	40	600	225	100 / 300	150 / 10	0.3	150 / 15	300	CIRCUIT 1
MMBT5551GH	160	140	600	225	80 / 250	10 / 5.0	0.2	50 / 5.0	-	CIRCUIT 1

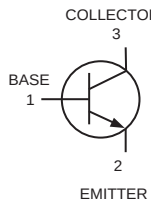
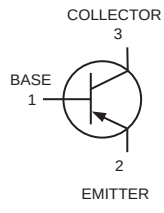
NOTE : OPERATING AND STORAGE TEMPERATURE RANGE -55℃ to +150℃

SOT-323 / Halogen-free

TYPE	V_{CBO}	V_{CEO}	I_C	P_D	H_{FE}		$V_{CE(sat)}$		f_T	Equivalent Circuit Diagram
	(V)	(V)	(mA)	(mW)	Min. / Max.	I_C / V_{CE} (mA / V)	Max. (V)	I_C / I_B (mA)	MH_Z (Min.)	
MMBT3906WGH	-40	-40	-200	225	100 / 300	-10 / 1.0	-0.4	-50 / -5.0	250	CIRCUIT 2
MMBT3904WGH	60	40	200	225	100 / 300	10 / 1.0	0.3	50 / 5.0	300	CIRCUIT 1

NOTE : OPERATING AND STORAGE TEMPERATURE RANGE -55℃ to +150℃

EQUIVALENT CIRCUIT DIAGRAM

CIRCUIT TYPE	CIRCUIT 1	CIRCUIT 2
SYMBOL		

PACKING OF DIODES AND BRIDGE RECTIFIERS

BULK PACKING

OUTLINE		BOX (PCS)	CARTON (PCS)	CARTON SIZE (m/m)
R-1		1,000	50,000	475 * 220 * 275
DO-204AL (DO-41)		1,000	50,000	
DO-204AC (DO-15)		500	25,000	
DO-201AD / DO-201AE (DO-27)		500	12,000	335 * 320 * 275
P-600		200	4,800	
DFM	50Pcs / Tube Pack	2,500	15,000	490 * 240 * 310
DF-S		5,000	30,000	
GBL / GBL-L Bulk Tube	20 Pcs / Tube Pack	1,400	2,800	530 * 340 * 180
GBU Bulk Tube		1,000	2,000	530 * 340 * 180
GBJ Bulk Tube	15 Pcs / Tube Pack	750	1,500	
KBJ Bulk Tube	20 Pcs / Tube Pack	1,000	2,000	590 * 370 * 200
GBP Bulk Tube	25 Pcs / Tube Pack	1,250	5,000	430 * 330 * 165
KBL		500	3,000	490 * 240 * 192
GBPC		50	500	445 * 215 * 260
GBPC-W		50	500	
TO-220AB / ITO-220AB TO-220AC / ITO-220AC	50Pcs / Tube Pack	2,000	8,000	565 * 315 * 200

REEL PACKING

OUTLINE	REEL (PCS)	CARTON (PCS)	CARTON SIZE (m/m)
R-1	5,000	20,000	340 * 340 * 360
DO-204AL (DO-41)	5,000	20,000	
DO-204AC (DO-15)	4,000	16,000	
DO-201AD / DO-201AE (DO-27)	1,250	5,000	
P-600	800	3,200	

PACKING OF DIODES AND BRIDGE RECTIFIERS

REEL PACKING

OUTLINE		REEL (PCS)	CARTON (PCS)	CARTON SIZE (m/m)
DO-214AC (SMA)	13"	7,500	75,000	360 * 360 * 240
DO-214AC (SMA) Schottky Products	13"	5,000	50,000	
DO-214AA (SMB)	13"	3,000	30,000	
DO-214AB (SMC)	13"	3,000	15,000	
MBCR /MBC	13"	5,000	50,000	
MBCS DFS	13"	1,000	12,000	340 * 340 * 360
MBCM	7"	3,000	72,000	400 * 207 * 240
3220	13"	3,000	15,000	360 * 360 * 240
0402 / 0402-S 0603 0805 / 0805-S	7"	3,000	90,000	400 * 207 * 240
1206 / 1206-S 2010	7"	3,000	72,000	
2114	13"	5,000	50,000	360 * 360 * 240
SOD-80	7"	2,500	50,000	400 * 207 * 240
DO-213AA	7"	2,500	50,000	
SOT-23 / SOT-323 SOD-123 SOD-123 (Flat lead) SOD-323 SOD-323 (Flat lead) SOD-523 / SOD-723	7"	3,000	60,000 120,000	400 * 207 * 240 360 * 360 * 240
SOD-523 (Zener Products)	7"	4,000	80,000 160,000	400 * 207 * 240 360 * 360 * 240
SOD-723 (Schottky Products)	7"	4,000	80,000 160,000	

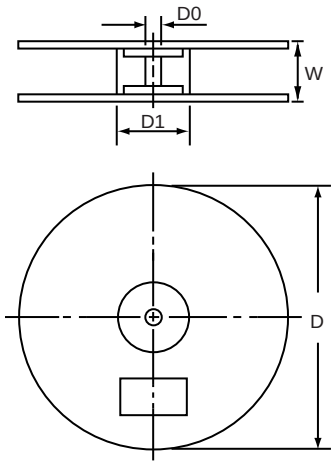
AMMO BOX PACKING (52mm Taping)

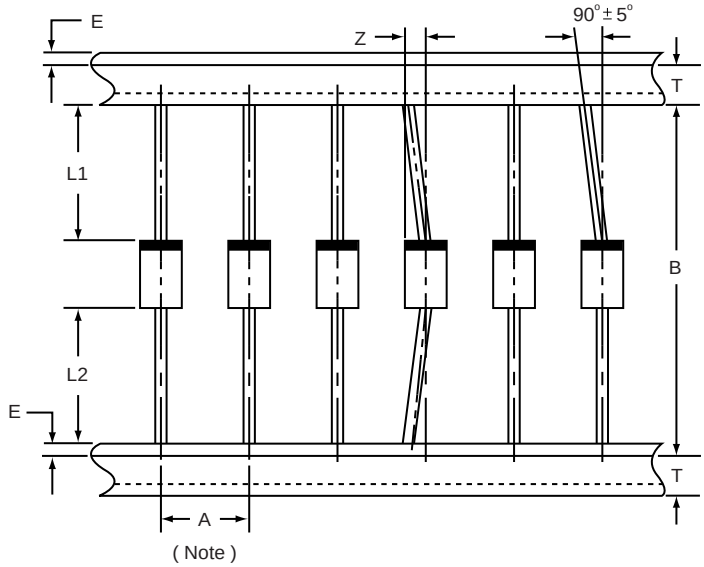
OUTLINE	BOX (PCS)	BOX SIZE (m/m)	CARTON (PCS)	CARTON SIZE (m/m)
DO-35	5,000	262 * 77 * 76	50,000	380 * 270 * 160
R-1	3,000	250 * 80 * 90	45,000	340 * 340 * 360
	5,000	260 * 80 * 160	50,000	460 * 280 * 355
DO-204AL (DO-41)	5,000	260 * 80 * 160	50,000	460 * 280 * 355
DO-204AC (DO-15)	3,000	260 * 80 * 160	30,000	
DO-201AD (DO-27)	1,200	260 * 80 * 160	12,000	
DO-201AE (DO-27)	1,000	260 * 80 * 160	10,000	

AXIAL LEAD TAPING SPECIFICATIONS

Axial lead devices are packed in accordance with EIA standard RS-296-E and specifications given below.

COMPONENT OUTLINE	COMPONENT PITCH A	INNER TAPE PITCH B	CUMULATIVE PITCH TOLERANCE
R-1	5.0mm ± 0.5mm	52.4mm ± 1.5mm	2.0mm / 10 pitch
DO-35	5.0mm ± 0.3mm	52.25mm ± 0.25mm	2.0mm / 10 pitch
DO-204AL (DO-41)	5.0mm ± 0.5mm	52.4mm ± 1.5mm	2.0mm / 10 pitch
DO-204AC (DO-15)	5.0mm ± 0.5mm	52.4mm ± 1.5mm	2.0mm / 10 pitch
DO-201AD (DO-27)	5.0mm ± 0.5mm	52.4mm ± 1.5mm	2.0mm / 10 pitch
DO-201AE (DO-27)	10.0mm ± 0.5mm	52.4mm ± 1.5mm	2.0mm / 10 pitch
P-600	10.0mm ± 0.5mm	52.4mm ± 1.5mm	2.0mm / 10 pitch



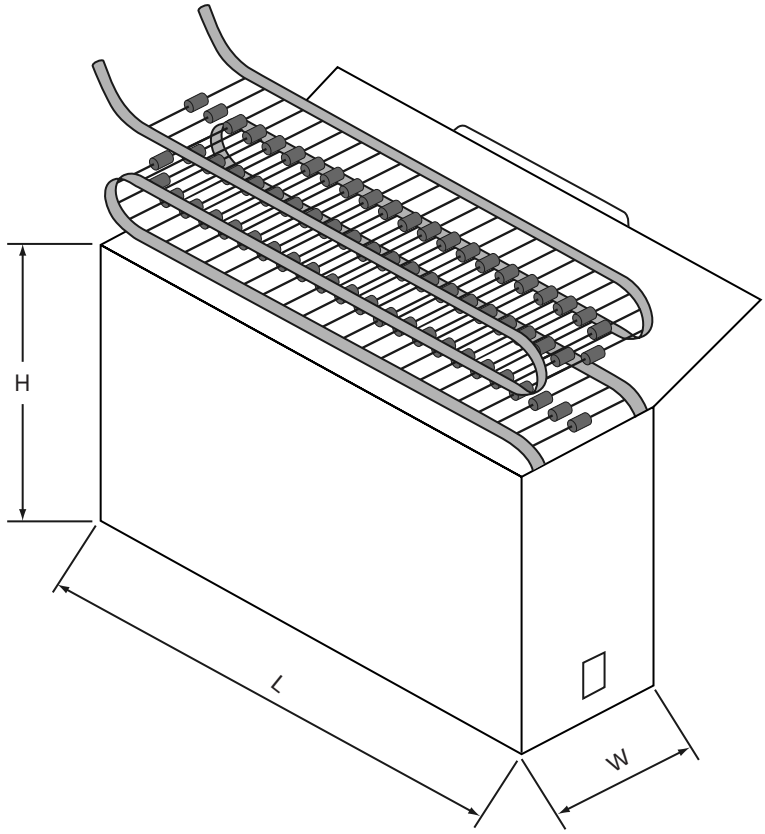


(Note)

ITEM	SYMBOL	SPECIFICATION (m/m)	SPECIFICATION (inch)
Component alignment	Z	1.2 max.	0.048 max.
Tape width	T	6.0 ± 0.4	0.236 ± 0.016
Exposed adhesive	E	0.8 max.	0.032 max.
Body eccentricity	l L1-L2 l	1.0 max.	0.040 max.
Reel outside diameter	D	330.0 ± 2.0	13.0 ± 0.08
Reel inner diameter	D1	85.7 ± 0.3	3.375 ± 0.012
Feed hole diameter	D0	16.6 ± 0.4	0.655 ± 0.016
Reel width	W	79.0 ± 1.0	3.110 ± 0.040

NOTE : Each component lead shall be sandwiched between tapes for a minimum of 3.2mm (0.126")

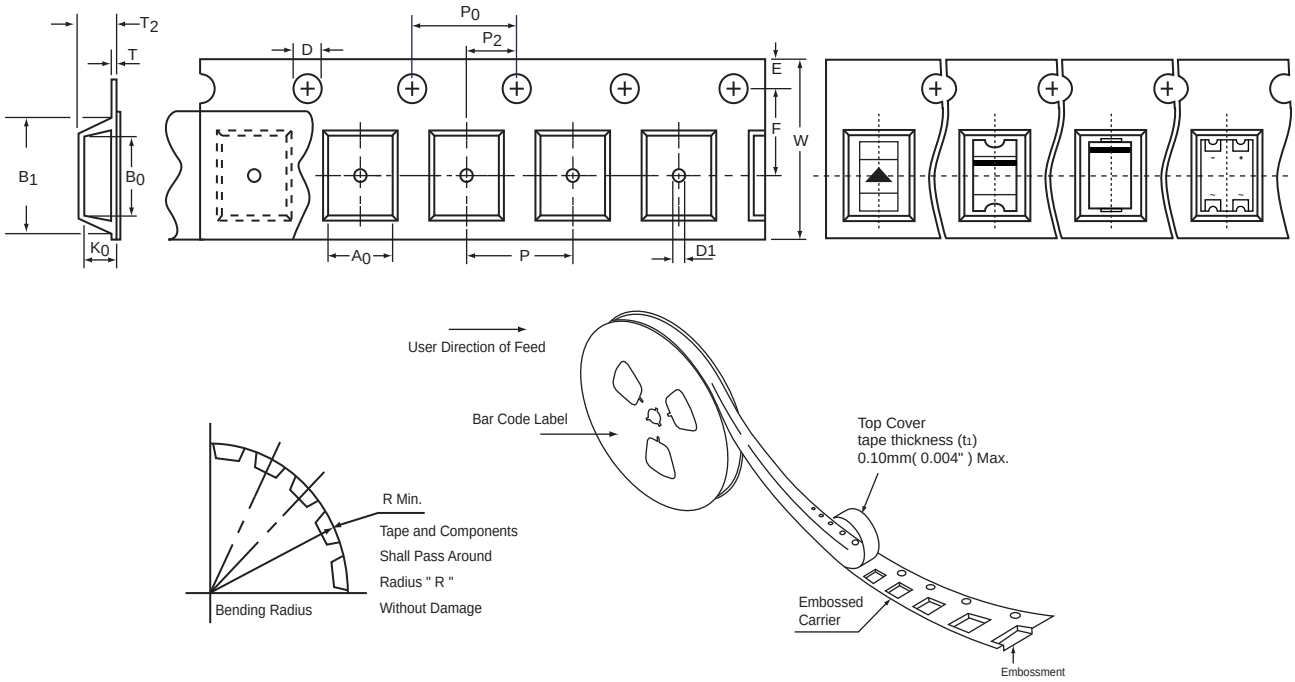
AMMO PACK DIMENSIONS



Unit : Millimeters (Inches)

Outline	Dimension			Quantity
	Length (L)	Width (W)	Height (H)	
R-1	250 ± 10 (9.84 ± 0.4)	80 ± 5 (3.15 ± 0.2)	90 ± 10 (3.54 ± 0.4)	3,000
	260 ± 5 (10.24 ± 0.2)	80 ± 5 (3.15 ± 0.2)	160 ± 10 (6.30 ± 0.4)	5,000
DO-35	262 ± 5 (10.31 ± 0.2)	77 ± 5 (3.03 ± 0.2)	76 ± 10 (2.99 ± 0.4)	5,000
DO-204AL (DO-41)	260 ± 5 (10.24 ± 0.2)	80 ± 5 (3.15 ± 0.2)	160 ± 10 (6.30 ± 0.4)	5,000
DO-204AC (DO-15)	260 ± 5 (10.24 ± 0.2)	80 ± 5 (3.15 ± 0.2)	160 ± 10 (6.30 ± 0.4)	3,000
DO-201AD (DO-27)	260 ± 5 (10.24 ± 0.2)	80 ± 5 (3.15 ± 0.2)	160 ± 10 (6.30 ± 0.4)	1,200
DO-201AE (DO-27)	260 ± 5 (10.24 ± 0.2)	80 ± 5 (3.15 ± 0.2)	160 ± 10 (6.30 ± 0.4)	1,000

SURFACE MOUNT PACKAGING



EMBOSSED TAPE

Dimensions in millimeters and (inches)

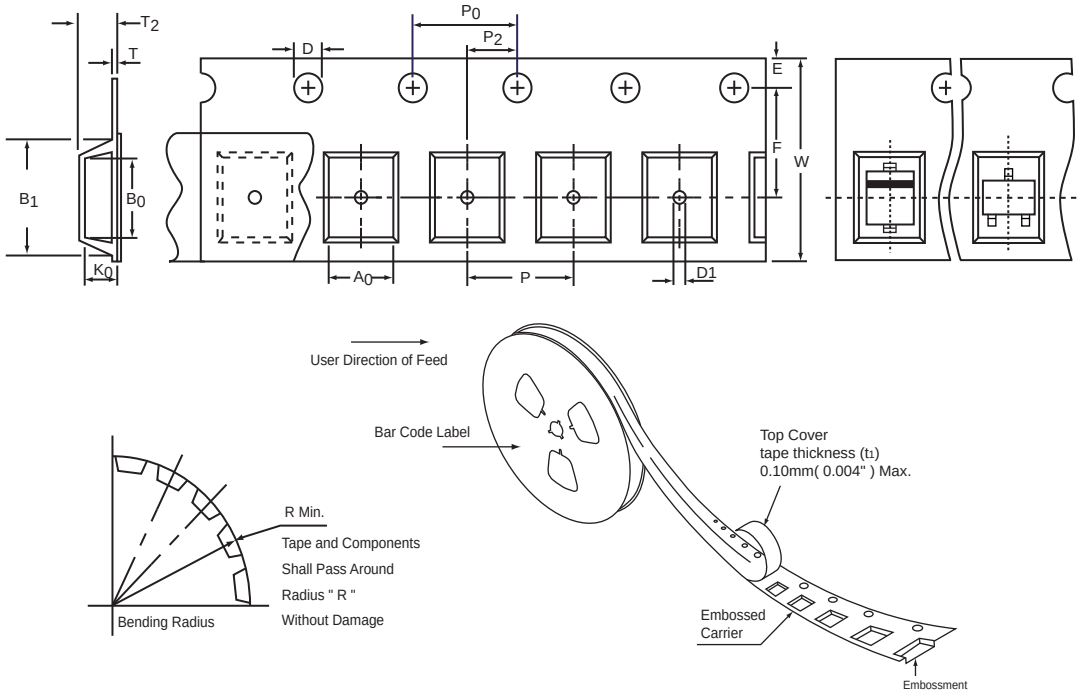
Tape Size	D	E	P_0	A0	B0	K0	T max	P_2	Constant Dimensions
8 , 12 mm	1.50 ± 0.1 (0.059 ±0.004)	1.75 ± 0.1 (0.069 ± 0.004)	4.0 ± 0.1 (0.157 ± 0.004)	See Note 1			0.40 (0.016)	2.0 ± 0.1 (0.079 ± 0.002)	
16 mm	1.55 ± 0.05 (0.061 ±0.002)	1.75 ± 0.1 (0.069 ± 0.004)	4.0 ± 0.1 (0.157 ± 0.004)						

PRODUCT TYPE	TAPE SIZE	B1	D1	F	P	W	T2	R Min
0402 0402-S	8 mm	2.0 max. (0.079 max.)	0.50 ± 0.05 (0.019 ± 0.002)	3.50 ± 0.05 (0.138 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004)	8.00 ± 0.30 (0.315 ± 0.012)	0.85 ± 0.10 (0.033 ± 0.004)	25 (0.98)
0603			0.80 ± 0.05 (0.031 ± 0.002)	3.50 ± 0.05 (0.138 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004)	8.00 ± 0.30 (0.315 ± 0.012)	1.00 ± 0.10 (0.039 ± 0.004)	25 (0.98)
0805 0805-S			0.80 ± 0.05 (0.031 ± 0.002)	3.50 ± 0.05 (0.138 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004)	8.00 ± 0.30 (0.315 ± 0.012)	1.22 ± 0.10 (0.048 ± 0.004)	25 (0.98)
MBCM	8 mm	4.0 max. (0.157 max.)	1.00 ± 0.25 (0.039 ± 0.010)	3.50 ± 0.05 (0.138 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004)	8.00 ± 0.30 (0.315 ± 0.012)	1.40 ± 0.1 (0.055 ± 0.004)	30 (1.181)
1206	12 mm	8.2 max. (0.323 max.)	1.50 min. (0.059 min.)	5.50 ± 0.05 (0.217 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004)	12.00 ± 0.30 (0.472 ± 0.012)	1.75 ± 0.1 (0.069 ± 0.004)	30 (1.181)
1206-S							1.40 ± 0.1 (0.055 ± 0.004)	
2010	12 mm	8.2 max. (0.323 max.)	1.50 min. (0.059 min.)	5.50 ± 0.05 (0.217 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004)	12.00 ± 0.30 (0.472 ± 0.012)	1.51 ± 0.10 (0.059 ± 0.004)	30 (1.181)
2114 MBCR / MBC			1.50 min. (0.059 min.)	5.50 ± 0.05 (0.217 ± 0.002)	8.00 ± 0.10 (0.315 ± 0.004)	12.00 ± 0.30 (0.472 ± 0.012)	1.65 ± 0.10 (0.065 ± 0.004)	30 (1.181)
SMA (DO-214AC)			1.50 min. (0.059 min.)	5.50 ± 0.05 (0.217 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004)	12.00 ± 0.30 (0.472 ± 0.012)	2.54 ± 0.10 (0.100 ± 0.004)	30 (1.181)
SMB (DO-214AA)			1.50 min. (0.059 min.)	5.50 ± 0.05 (0.217 ± 0.002)	8.00 ± 0.10 (0.315 ± 0.004)	12.00 ± 0.30 (0.472 ± 0.012)	2.67 ± 0.10 (0.105 ± 0.004)	30 (1.181)
3220	16 mm	12.1 max. (0.476 max.)	1.50 min. (0.059 min.)	7.50 ± 0.10 (0.295 ± 0.004)	8.00 ± 0.10 (0.315 ± 0.004)	16.00 ± 0.30 (0.630 ± 0.012)	2.50 max. (0.098 max.)	40 (1.575)
SMC (DO-214AB)							6.50 ± 0.10 (0.256 ± 0.004)	
MBCS DFS	16 mm	12.1 max. (0.476 max.)	1.50 min. (0.059 min.)	7.50 ± 0.10 (0.295 ± 0.004)	12.00 ± 0.10 (0.472 ± 0.004)	16.00 ± 0.30 (0.630 ± 0.012)	3.70 max. (0.146 max.)	30 (1.181)

NOTE : 1. A0 , B0 , and K0 are determined by component size. The clearance between the components and the cavity must be within 0.05 mm (0.002") Min. to 0.50 mm (0.02") Max. for 8 mm tape and 12 mm tape, 0.15 mm (0.066") Min. to 0.90 mm (0.035") Max.

2. All surface mount components are packed in accordance with EIA standard 481-1 and 481-2

SURFACE MOUNT PACKAGING



EMBOSSED TAPE

Dimensions in millimeters and (inches)

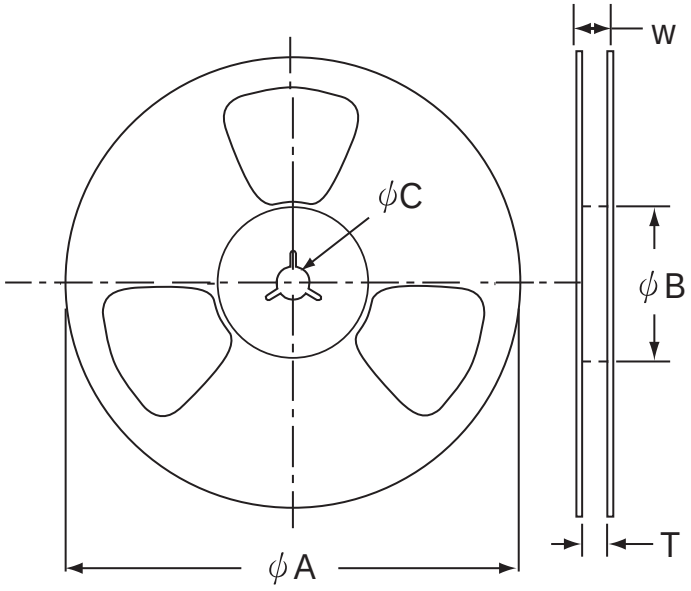
Tape Size	D	E	P_0	A0	B0	K0	T max	P_2	
8	1.5 ± 0.1 (0.059 ±0.004)	1.75 ± 0.1 (0.069 ± 0.004)	4.0 ± 0.1 (0.157 ± 0.004)	See Note 1			0.20 (0.008)	2.0 ± 0.1 (0.079 ± 0.002)	Constant Dimensions
							0.40 (0.016)		
							0.60 (0.24)		

PRODUCT TYPE	TAPE SIZE	B1	D1	F	P	W	T2	R Min
SOD-80	8 mm	2.00 max (0.079 max)	1.00 min 0.039 min	3.50 ± 0.05 (0.138 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004)	8.30 max (0.327 max)	2.40 max. (0.094 max.)	25 (0.98)
SOT-23 SOT-323 SOD-123 SOD-123 / Flat lead SOD-323 SOD-323 / Flat lead SOD-523 SOD-723	8 mm	4.55 max (0.179 max)	1.00 min 0.039 min	3.50 ± 0.05 (0.138 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004)	8.30 max (0.327 max)	2.40 max. (0.094 max.)	
DO-213AA	8 mm	4.55 max (0.179 max)	1.00 min 0.039 min	3.50 ± 0.05 (0.138 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004)	8.0 max 0.315 max)	1.80 max. (0.071 max.)	

NOTE : 1. A0 , B0 , and K0 are determined by component size. The clearance between the components and the cavity must be within 0.05 mm (0.002") Min. to 0.50 mm (0.02") Max. for 8 mm tape and 12 mm tape, 0.15 mm (0.066") Min. to 0.90 mm (0.035") Max.

2. All surface mount components are packed in accordance with EIA standard 481-1 and 481-2

PLASTIC DISK AND SURFACE MOUNT PACKAGE



EMBOSSED TAPE

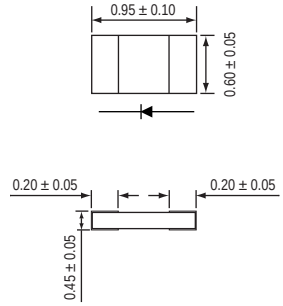
Unit : Millimeters (Inches)

SYMBOL	Tape size	ϕA	ϕB	ϕC	W	T
1206 1206-S 2010	12 (0.472)	178 ± 2.0 (7.008 ± 0.079)	50 min. (1.969 min)	13.0 ± 0.5 (0.512 ± 0.020)	18.7 max. (0.736 max.)	14.4 max. (0.567 max.)
DO-214AC (SMA) DO-214AA (SMB) 2114 MBCR / MBC		330 ± 2.0 (12.992 ± 0.079)				
DO-214AB (SMC) 3220 MBCS DFS	16 (0.630)	330 ± 2.0 (12.992 ± 0.079)	50 min. (1.969 min.)	13.0 ± 0.5 (0.512 ± 0.020)	22.7 max. (0.893 max.)	18.4 max. (0.724 max.)
0402 0402-S 0603 0805 0805-S MBCM	8 (0.315)	178 ± 2.0 (7.008 ± 0.079)	60 ± 0.5 (2.362 ± 0.020)	13.5 ± 0.5 (0.532 ± 0.020)	12.0 ± 0.5 (0.472 ± 0.020)	9.0 ± 0.5 (0.354 ± 0.020)
DO-213AA	8 (0.315)	178 ± 2.0 (7.008 ± 0.079)	60 min. (2.362 min.)	13.5 ± 0.5 (0.532 ± 0.020)	14.4 max. (0.567 max.)	$8.40^{+1.50}_{-0.00}$ $(0.331^{+0.059}_{-0.000})$
SOD-80 SOT-23 SOT-323 SOD-123 SOD-123 / Flat lead SOD-323 SOD-323 / Flat lead SOD-523 SOD-723	8 (0.315)	178 ± 2.0 (7.008 ± 0.079)	50 min. (1.969 min.)	13.5 ± 0.5 (0.532 ± 0.020)	14.4 max. (0.567 max.)	$8.40^{+1.50}_{-0.00}$ $(0.331^{+0.059}_{-0.000})$

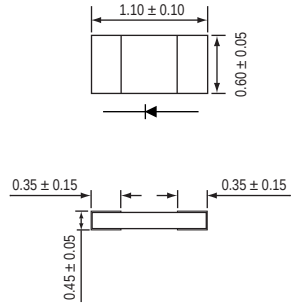
CASE DRAWINGS

Unit : mm

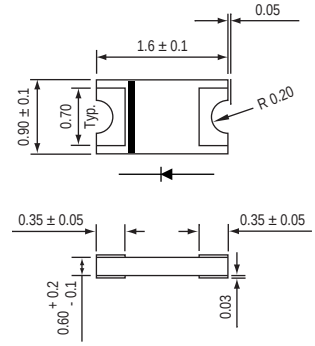
0402-S



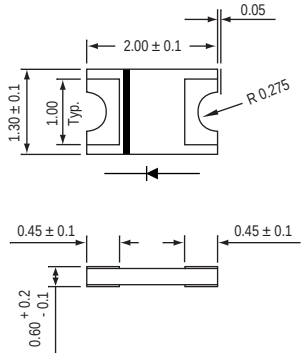
0402



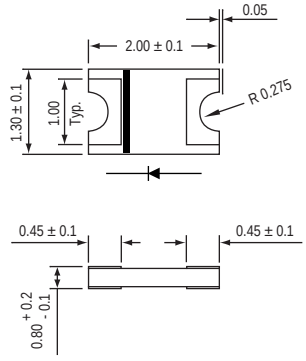
0603



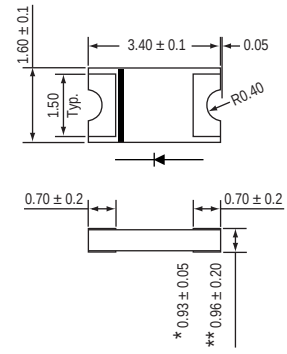
0805-S



0805

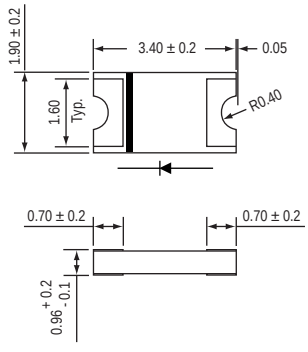


1206-S

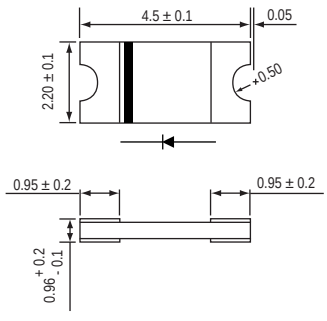


Note :
" * " for Schottky product
" ** " for GPRC product

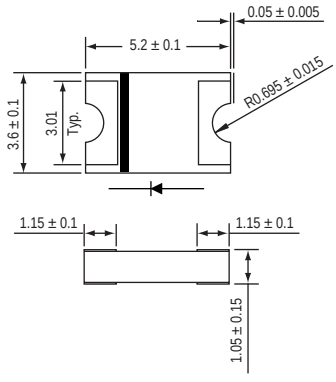
1206



2010



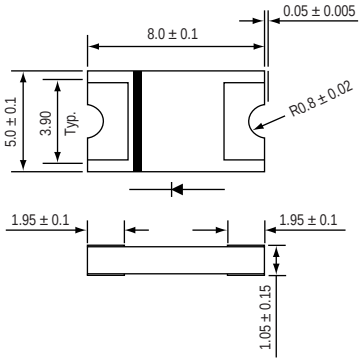
2114



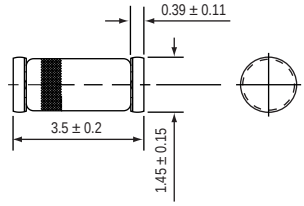
CASE DRAWINGS

Unit : mm

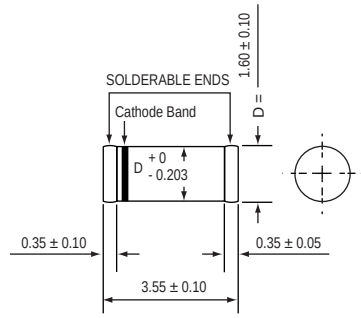
3220



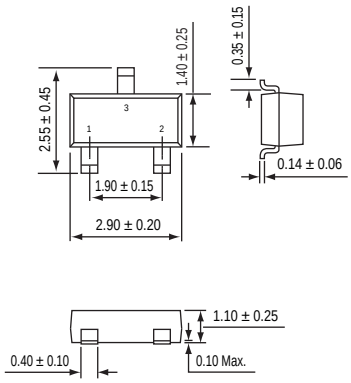
SOD-80 (LL-34)



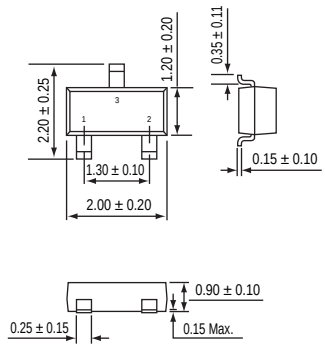
DO-213AA



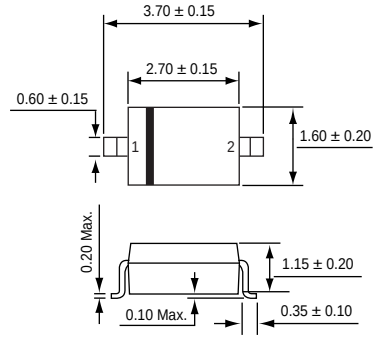
SOT-23



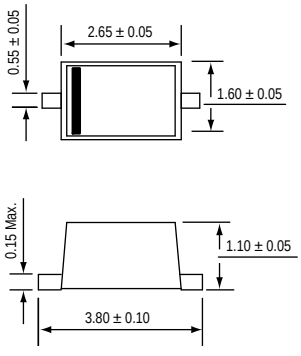
SOT-323



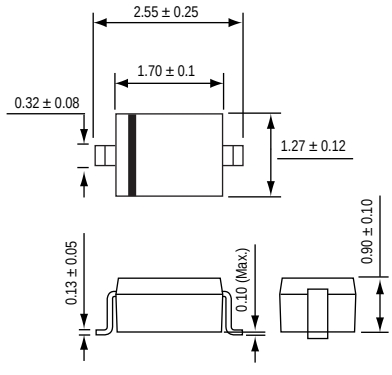
SOD-123



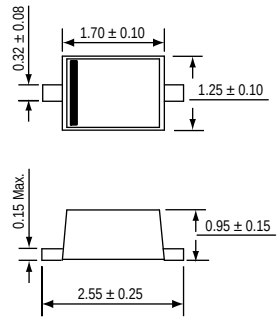
SOD-123 (Flat lead)



SOD-323



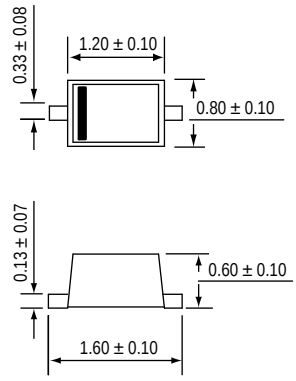
SOD-323 (Flat lead)



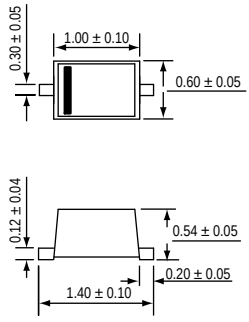
CASE DRAWINGS

Unit : mm

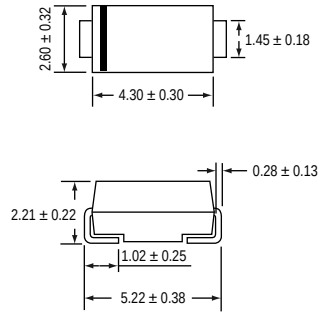
SOD-523



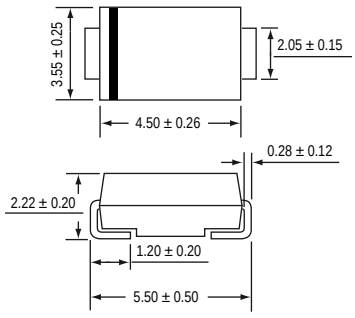
SOD-723



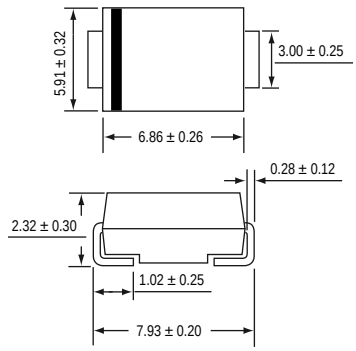
DO-214AC (SMA)



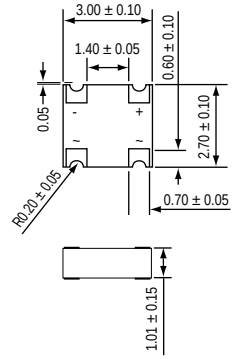
DO-214AA (SMB)



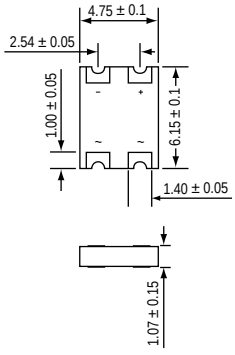
DO-214AB (SMC)



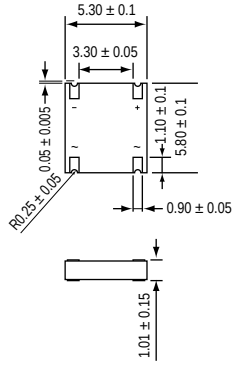
MBCM



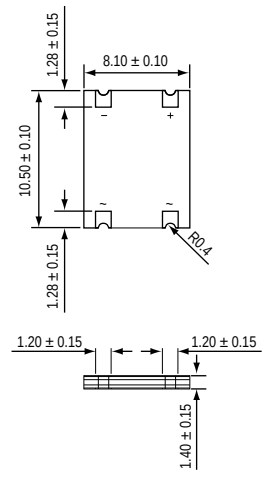
MBC



MBCR



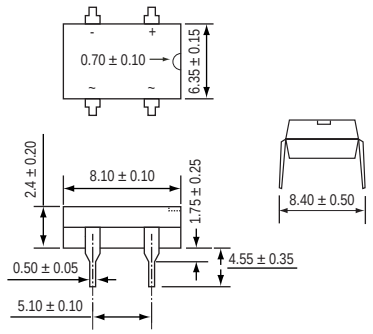
MBCS



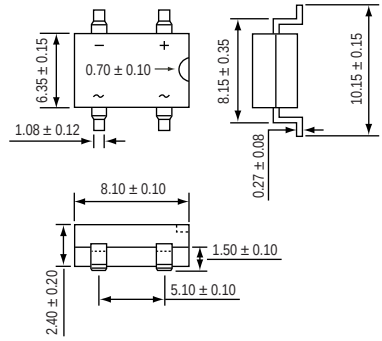
CASE DRAWINGS

Unit : mm

DFM



DFS



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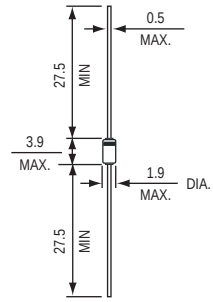
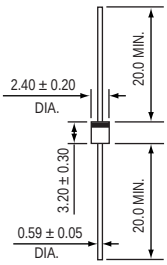
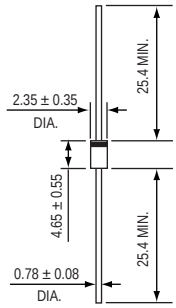


R-1



DO-204AL (DO-41)



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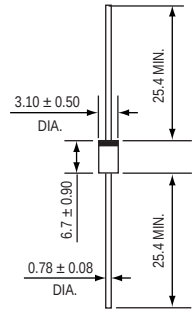
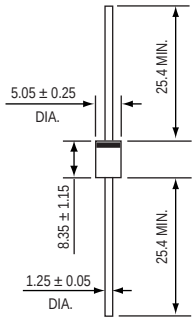


DO-201AD (DO-27)



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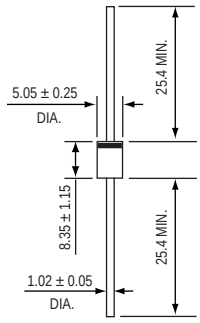
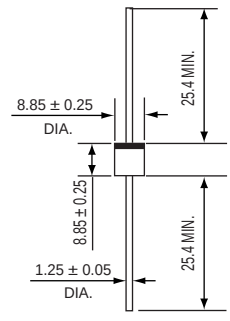


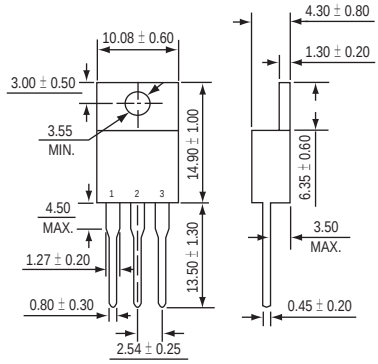
P-600



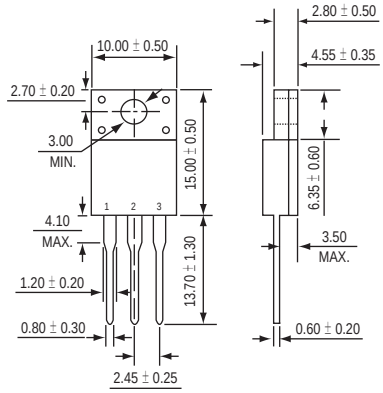
CASE DRAWINGS

Unit : mm

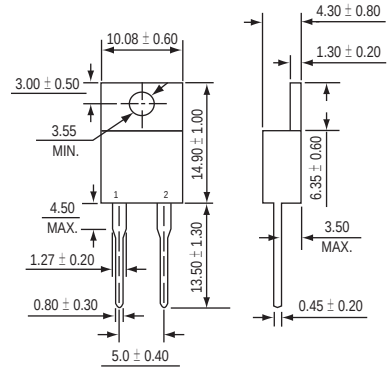
TO-220AB



ITO-220AB



TO-220AC



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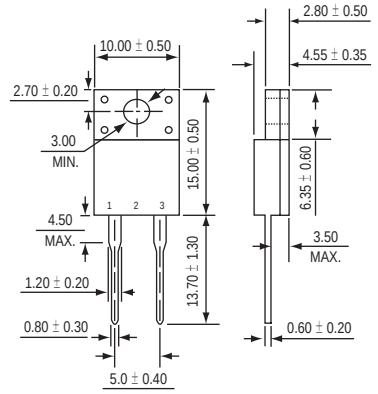
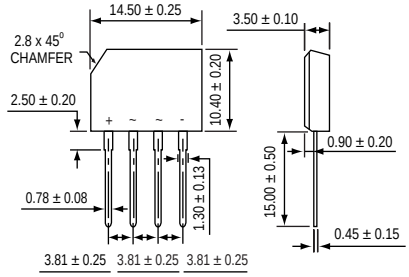


GBP



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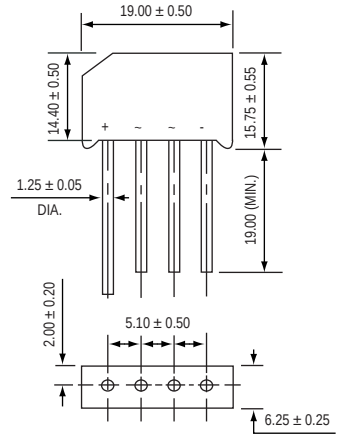

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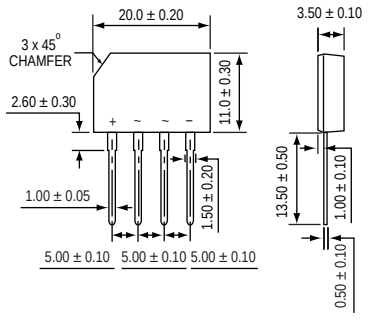

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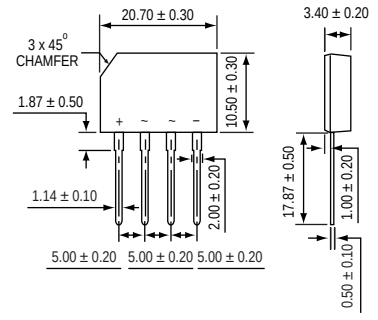
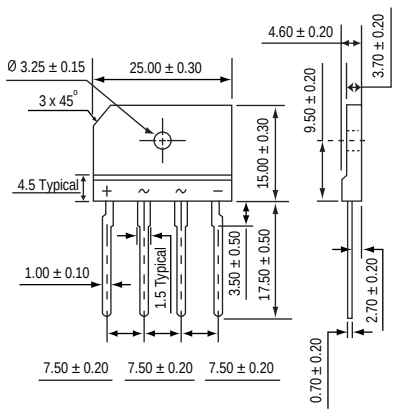


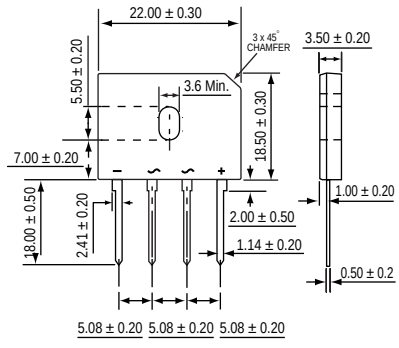
KBJ



CASE DRAWINGS

Unit : mm

GBU



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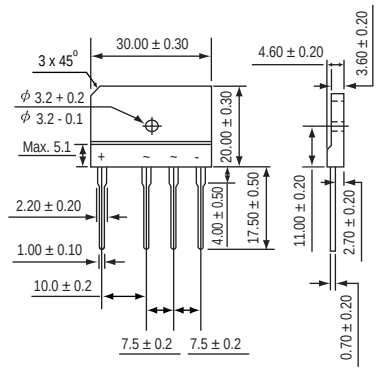

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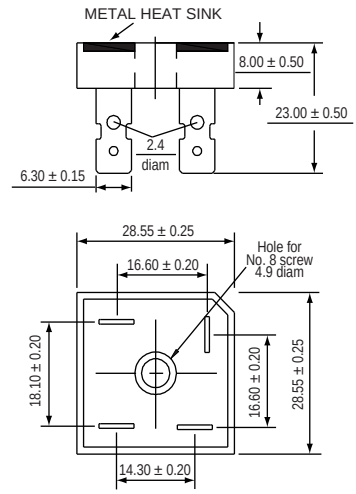

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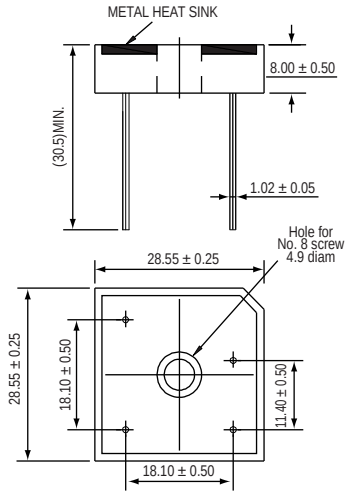
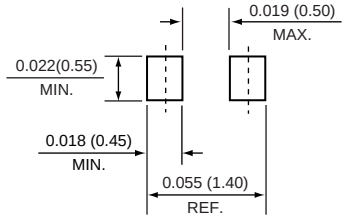


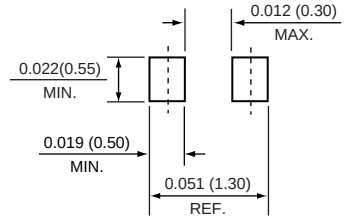
RECOMMENDED MINIMUM MOUNTING PAD LAYOUT SIZES FOR SURFACE MOUNT DEVICES

*Dimensions in inches and (millimeters)

0402



0402-S



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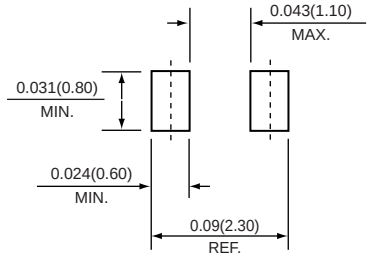
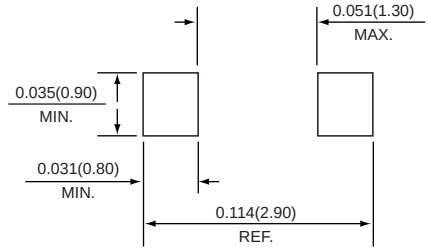
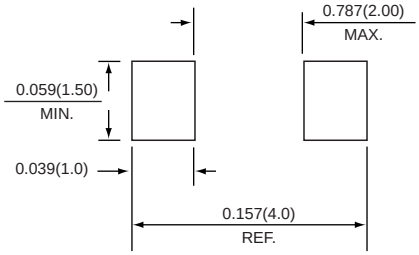


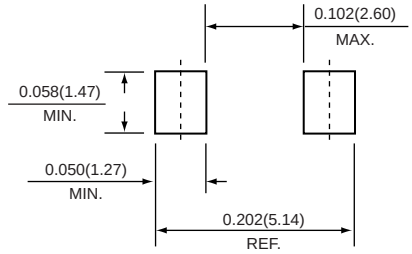
0805
0805-S



1206
1206-S



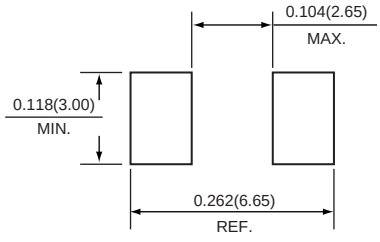
2010



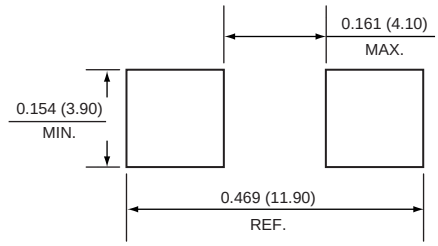
RECOMMENDED MINIMUM MOUNTING PAD LAYOUT SIZES FOR SURFACE MOUNT DEVICES

*Dimensions in inches and (millimeters)

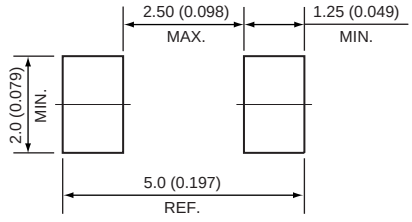
2114



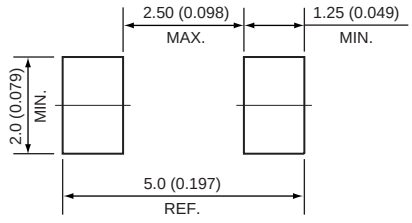
3220



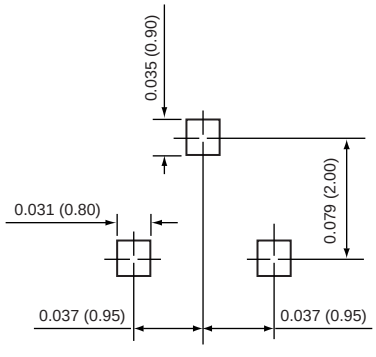
SOD-80



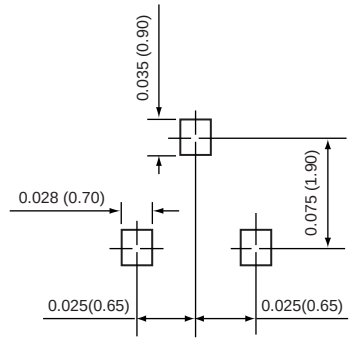
DO-213AA



SOT-23



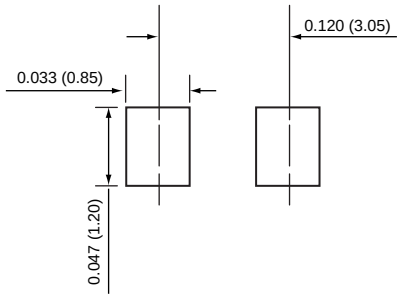
SOT-323



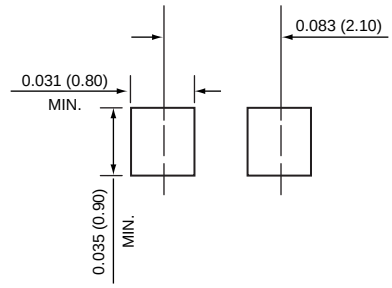
RECOMMENDED MINIMUM MOUNTING PAD LAYOUT SIZES FOR SURFACE MOUNT DEVICES

*Dimensions in inches and (millimeters)

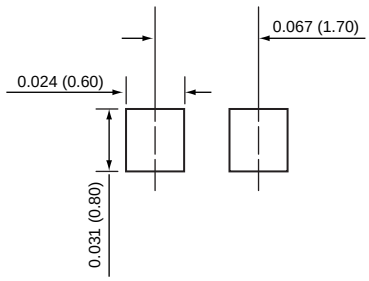
SOD-123
SOD-123 (Flat lead)



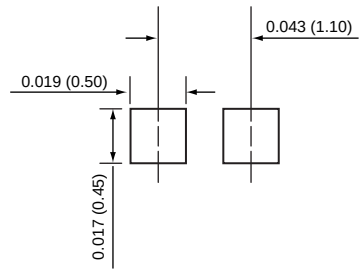
SOD-323
SOD-323 (Flat lead)



SOD-523



SOD-723



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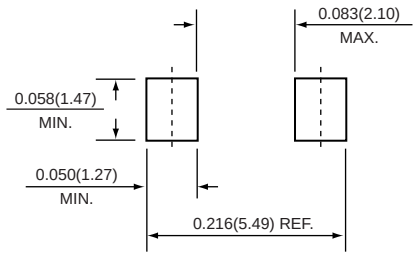

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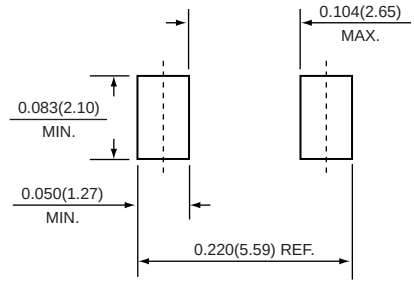
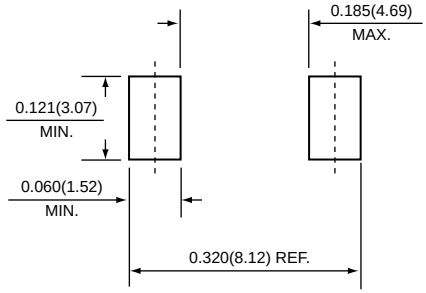


RECOMMENDED MINIMUM MOUNTING PAD LAYOUT SIZES FOR SURFACE MOUNT DEVICES

*Dimensions in inches and (millimeters)

DO-214AB



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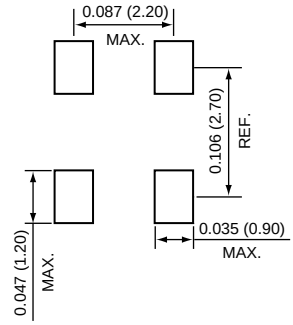

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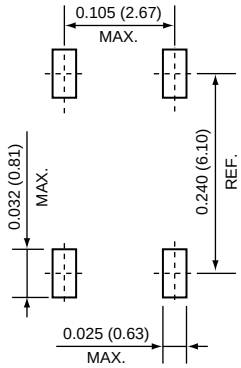

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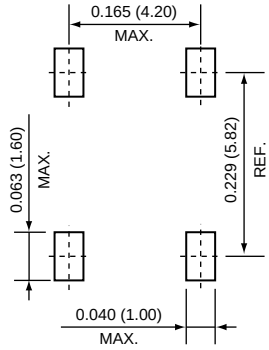
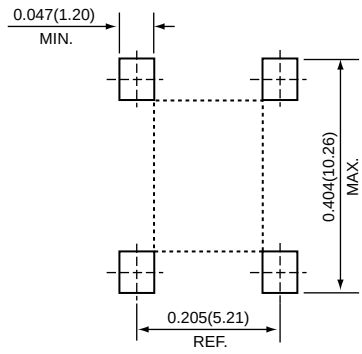


MBCS / DFS



PATENTS FROM WORLDWIDE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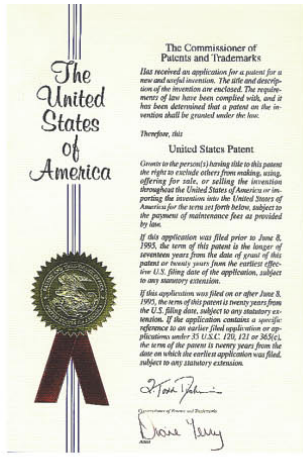
United States Patent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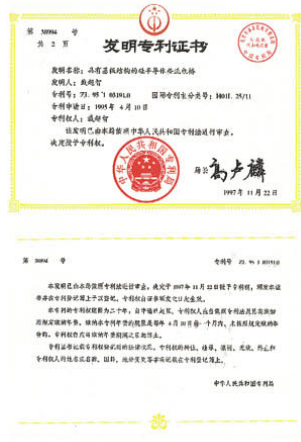

发明专利证书


发明专利证书


发明专利证书


CERTIFICATE OF GRANT OF PATENT

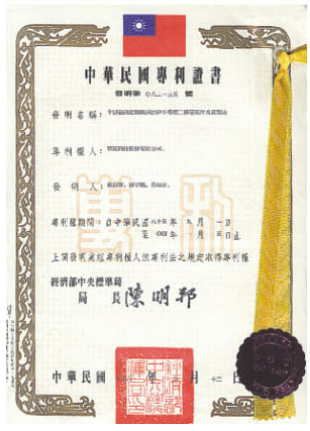

特許証

特許第3098194号


特許証

特許第2888811号


中華民國專利證書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中華民國專利證書

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