



Solid-State, Rechargeable,
Micro-Energy Cells (MECs)



	Units	MEC225	MEC220	MEC201	MEC202
Open Circuit Voltage (OCV)	V	4.1	4.1	4.1	4.1
Package Size/Footprint ⁽¹⁾	in. mm	0.5 x 0.5 12.7 x 12.7	1.0 x 0.5 25.4 x 12.7	1.0 x 1.0 25.4 x 25.4	1.0 x 2.0 25.4 x 50.8
Package Thickness	in. mm	0.007 0.17	0.007 0.17	0.007 0.17	0.007 0.17
Typical Internal Resistance	Ω	210	100	35	15
Maximum Continuous Current	mA	7	15	40	100
Nominal Capacity Options	mAh	0.13	0.3 0.4	0.7 1.0	1.7 2.5
Equivalent Energy in Joules	J	1.8	4 5.5	10 14	24 36
Typical Recharge Time to 90% (at 4.1V CV)	Min.	15	15	15	15
Operating Temperature Range	°C	-40 to +85	-40 to +85	-40 to +85	-40 to +85
Operating/Shelf Life	Years	>15	>15	>15	>15
Recharge Cycles ⁽²⁾		100,000	100,000	100,000	100,000
Typical Charge Loss/Year		2%	2%	2%	2%
Availability		Now	Now	Now	Samples Q2 2012
Supersedes ⁽³⁾		MEC125	MEC120	MEC101	MEC102

All performance metrics measured at 25°C. See product data sheets for more details.

⁽¹⁾ Does not include connection tabs. Total dimensions of supported tab area is 11.2mm x 2.5mm along one edge of device.

⁽²⁾ Under typical application usage modes.

⁽³⁾ MEC200 Series devices require a different PCB pad layout design than MEC100 Series (Not a direct replacement).

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