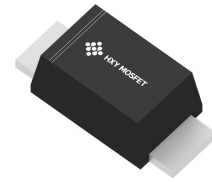




Features

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- Metal silicon junction,majority carrier conduction
- Low power loss,high efficiency
- High forward surge current capability
- High temperature soldering guaranteed:260°C/10 seconds



SOD-123FL



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
PMEG3020ER	SOD-123FL	L3LF	3000

Maximum Ratings (Ta=25°C unless otherwise noted)

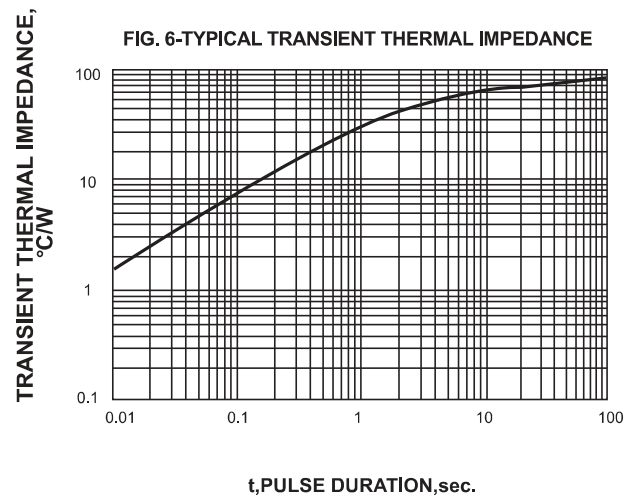
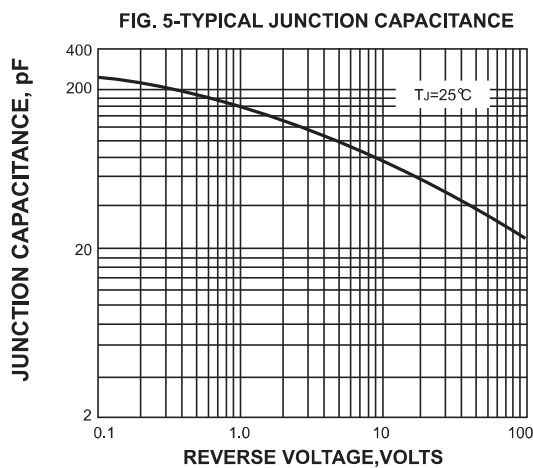
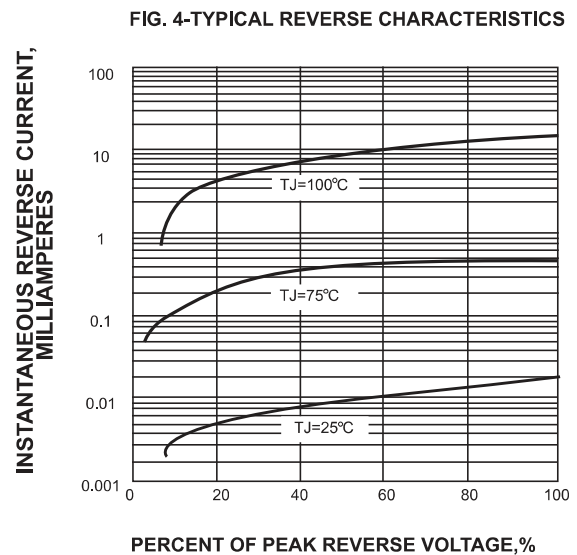
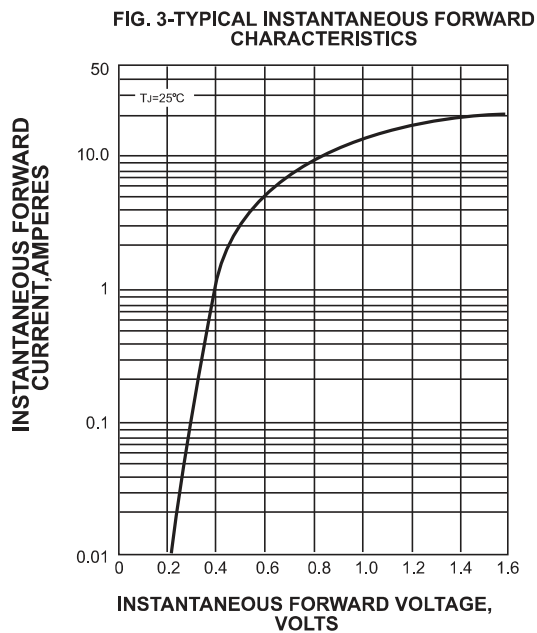
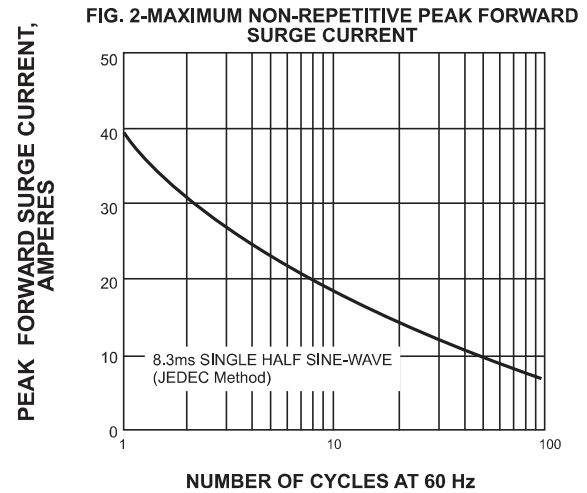
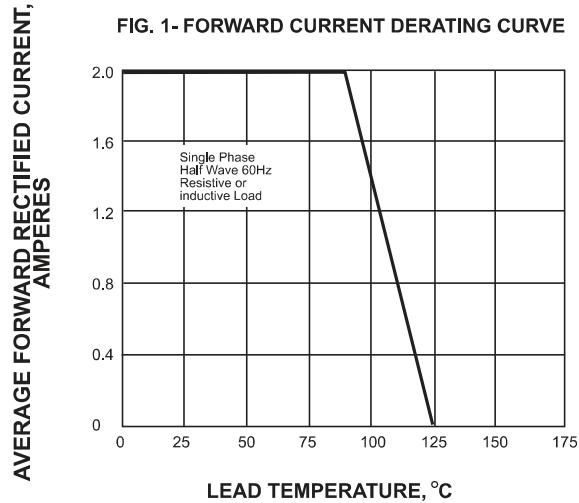
Type Nmbcr	PMEG3020ER	Units
Maximum Recurrent Peak Reverse Voltage	30	V
Maximum RMS Voltage	21	V
Maximum DC Blocking Voltage	30	V
Maximum Average Forward Rectified Current See Fig. 1	2.0	A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	40	A
Maximum Instantaneous Forward Voltage at 2.0A	0.38	V
Maximum DC Reverse Current Ta=25°C	200	μA
at Rated DC Blocking Voltage Ta=125°C	10	mA
Typical Junction Capacitance (Note1)	110	pF
Typical Thermal Resistance RJA (Note 2)	92	°C/W
Operating Temperature Range Tj	-55 to +150	°C
Storage Temperature Range Tstg	-55 to +150	°C

Note : 1.FR-4 PCB, 2oz. Copper.

2.Polyimide PCB, 2oz. Copper.Cathode pad dimensions 18.8mm x 14.4mm.Anode pad dimensions 5.6mm x 14.4mm.



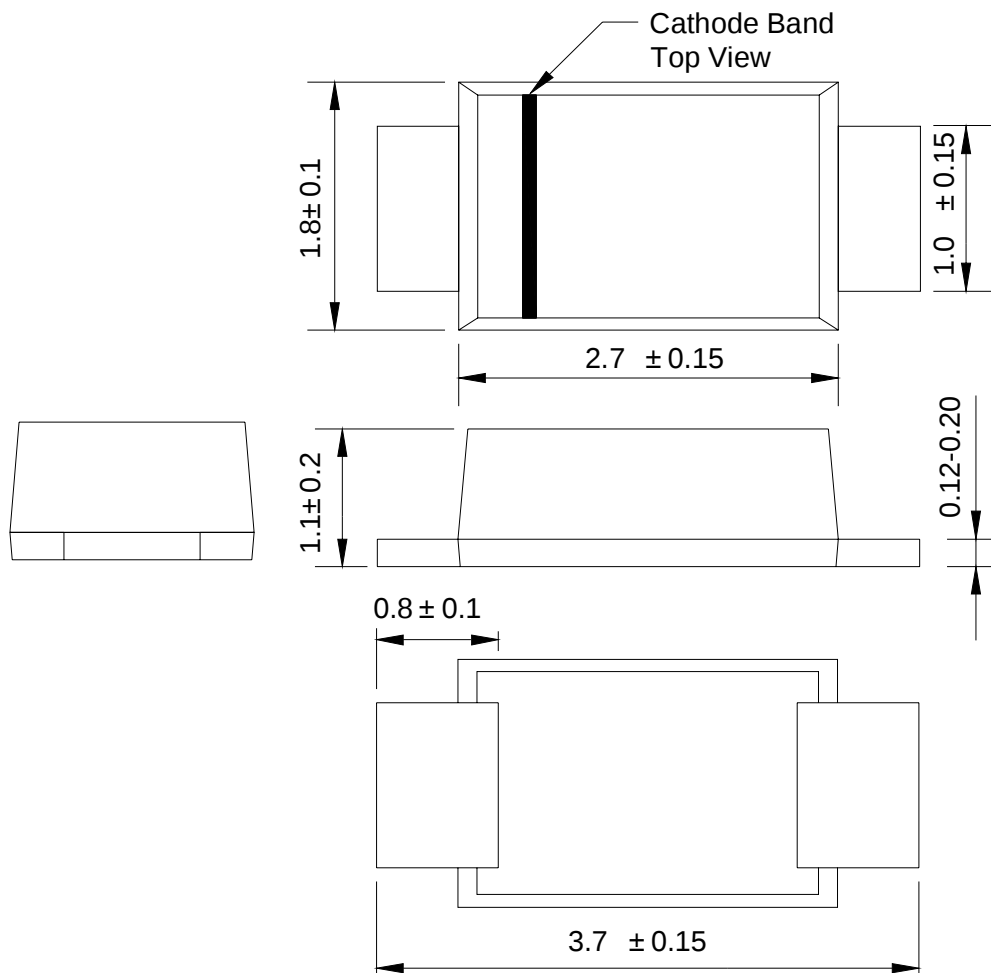
Typical Characteristics





Package Outline Dimensions

SOD-123FL





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