

Features

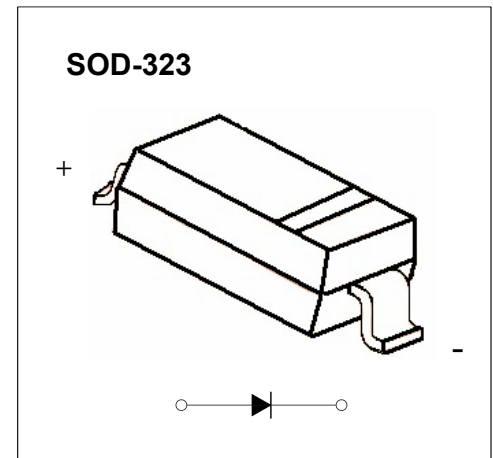
High Current Capability
Low Forward Voltage Drop
Low IR

Applications

For use in low voltage, high frequency inverters
High surge current capability

Mechanical Data

package:SOD-323
Polarity: Color band denotes cathode end
Flammability rating of epoxy resin: UL 94V-0
Mounting Position: Any



Ordering Information

Part Number	Package	Marking	Packing	Quantity per reel	Reel Size
PMEG6010CEJF-CN	SOD-323	SM	Tape & Reel	3,000 PCS	7 inches

Maximum Ratings & Thermal Characteristics(Ratings at 25℃ ambient temperature unless otherwise specified.)

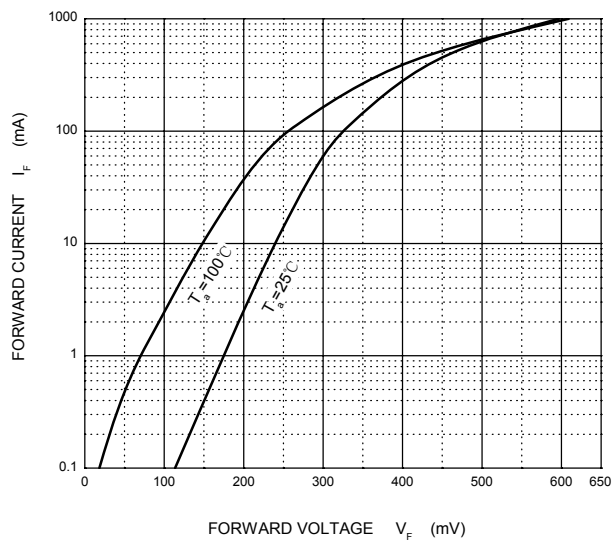
Parameters	Symbol	Value	Unit
Maximum repetitive peak reverse voltage	VRRM	60	V
Maximum RMS voltage	VRMS	42	V
Maximum DC blocking voltage	VDC	60	V
Maximum average forward rectified current	IFM	1	A
Peak forward surge current 8.3 ms single half sine-wave	IFSM	10	A
Typical thermal resistance	RθJA	400	℃/W
Power Dissipation	PD	250	mW
Junction temperature	Tj	125	℃
Storage temperature range	TSTG	-55-+150	℃

Electrical Characteristics(Ratings at 25℃ ambient temperature unless otherwise specified)

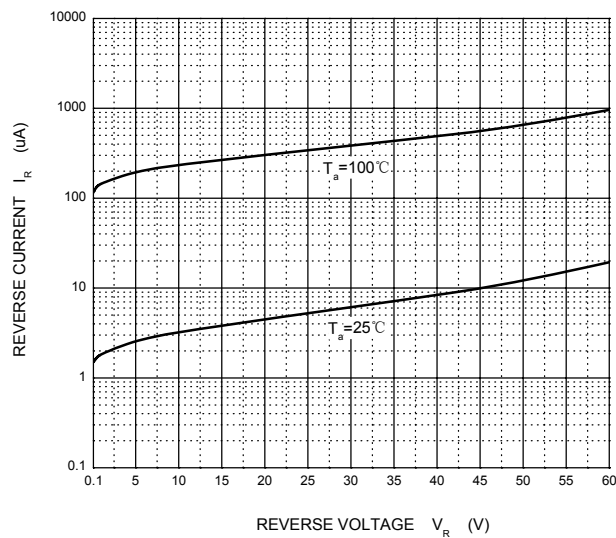
Parameters	Symbol	Test conditions	Value	Unit
Maximum forward voltage	VF	IF = 1.0A	0.70(max.)	V
Maximum reverse current	IR	VR=60V	100(max.)	uA

Typical Characteristics

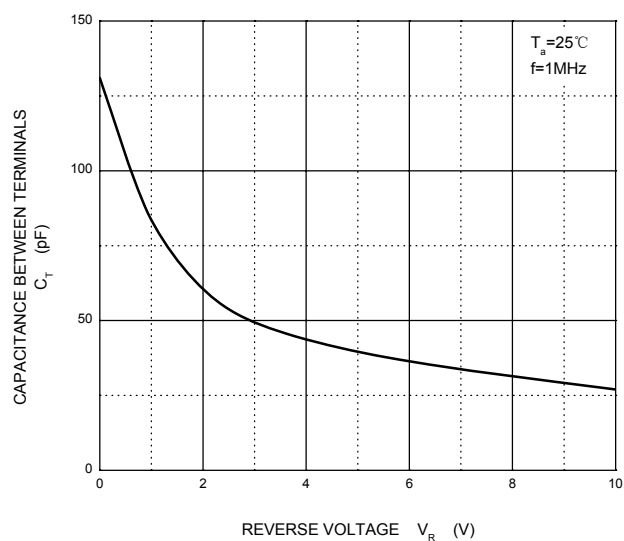
Forward Characteristics



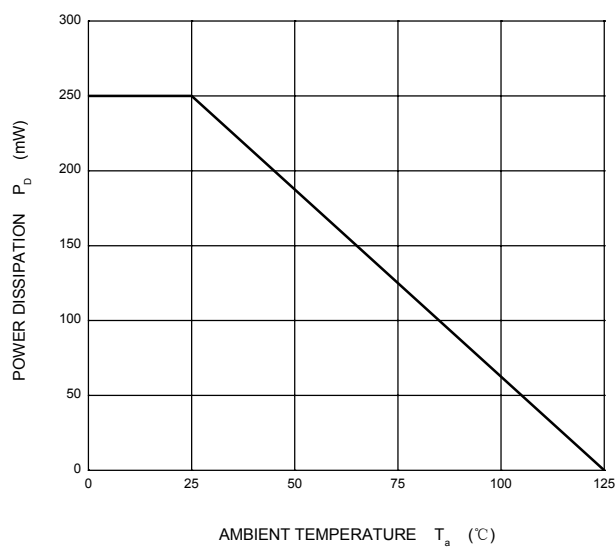
Reverse Characteristics



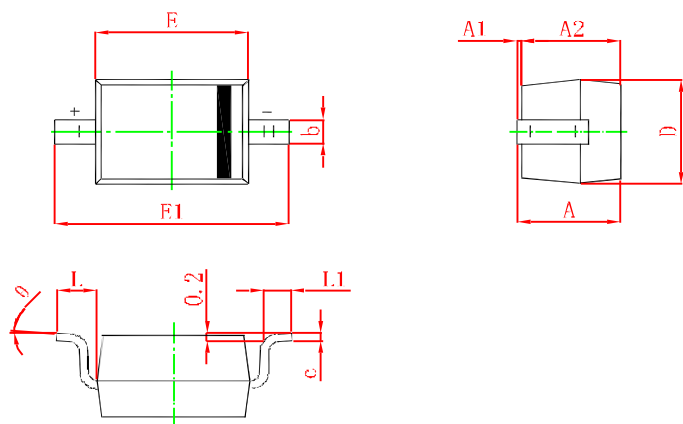
Capacitance Characteristics



Power Derating Curve



SOD-323 Package Outline Dimensions



Symbol	Min.(mm)	Max.(mm)
A		1.000
A1	0.000	0.100
A2	0.800	0.900
b	0.250	0.350
c	0.080	0.150
D	1.200	1.400
E	1.600	1.800
E1	2.500	2.700
L	0.475REF	
L1	0.250	0.400
θ	0°	8°

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