Silicon Epitaxial Planer Schottky Barrier Diode

Features

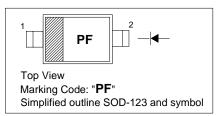
- High reliablility
- · Low forward voltage

Application

- For switching power supplies
- · Battery protection against reversal current

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Reverse Voltage (Repetitive Peak)	V_{RM}	40	V
Reverse Voltage (DC)	V_R	40	V
Average Rectified Forward Current	Io	1	А
Peak Forward Surge Current (60Hz / cyc.)	I _{FSM}	30	А
Junction Temperature	T _J	150	°C
Storage Temperature	T _{stg}	-40 to 150	°C

Electrical Characteristics (T_a = 25 °C)

Parameter	Symbol	Min.	Max.	Unit
Forward Voltage at I _F = 1 A	V_{F}	-	0.51	V
Reverse Current at V _R = 40 V	I _R	-	30	μΑ



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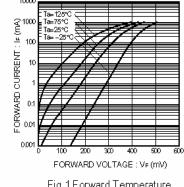


Fig. 1 Forward Temperature Characteristics

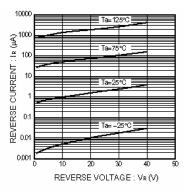


Fig.2 Reverse Temperature Characteristics

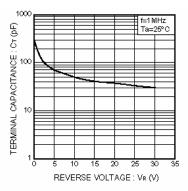
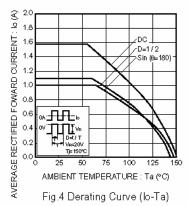
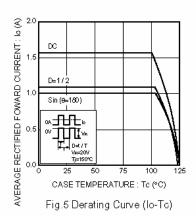


Fig.3 Capacitance Between Terminals Characteristics





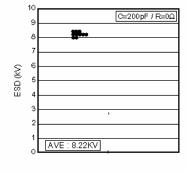


Fig.6 ESD



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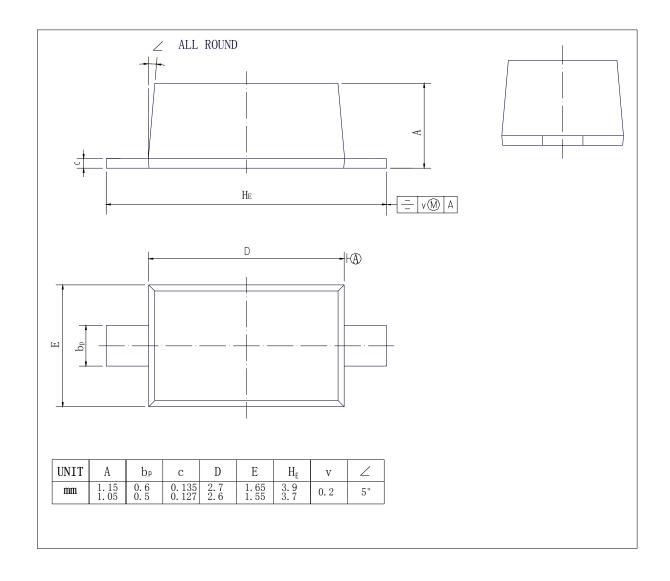


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PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-123





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