



SS2060LHE

SURFACE MOUNT LOW VF SCHOTTKY BARRIER RECTIFIER

VOLTAGE 60 Volts **CURRENT** 2 Amperes

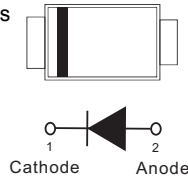
SOD-123HE Unit : inch(mm)

FEATURES

- Fast switching speed
- Surface mount package ideally suited for automatic insertion
- Electrical identical standard JEDEC.
- High conductor
- Lead free in comply with EU RoHS 2002/95/EC directives.
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

- Case: SOD-123HE, Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Apporx. Weight: 0.00015 ounces, 0.00424 grams
- Polarity: Color band denotes cathode end
- Marking: EX



ABSOLUTE MAXIMUM RATINGS (T_A=25°C unless otherwise noted)

PARAMETER	SYMBOL	VALUE	UNITS
Reverse Voltage	V _R	60	V
Peak Reverse Voltage	V _{RRM}	60	V
Average Rectified Current at Temp=75°C	I _O	2	A
Peak Forward Surge Current:8.3ms single half sine-wave superimposed on rated load(JEDEC method)	I _{FSM}	50	A
Typical Thermal Resistance, Junction to Ambient (Note 1) Junction to Case (Note 1)	R _{θJA} R _{θJC}	200 15	°C/W
Operating Junction Temperature and Storage Temperature Range	T _J , T _{STG}	-55 to +150	°C

ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise noted)

PARAMETER	SYMBOL	Test Condition	MIN.	TYP.	MAX.	UNITS
Reverse Breakdown Voltage	V _(BR)	I _R =1mA	60	--	--	V
Reverse Current	I _R	V _R =60 V	--	--	100	μA
Forward Voltage	V _F	I _F =1.0A I _F =2.0A	--	0.49 0.62	-- 0.67	V
Typical Junction Capacitance	C _J	V _R =0V, f=1.0MHz	--	230	--	pF

NOTES:

1. Mounted on 50cm² FR-4 PCB board.



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RATING AND CHARACTERISTIC CURVES

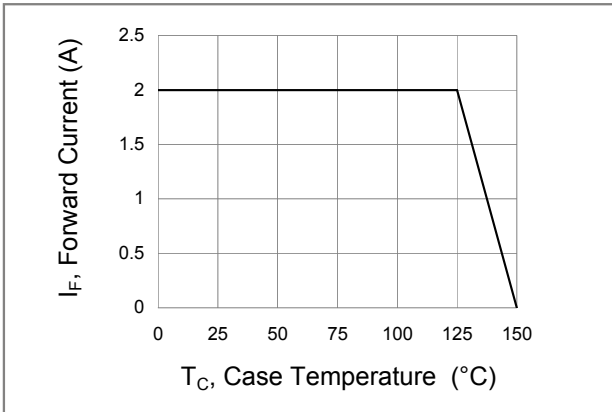


Fig.1 Forward Current Derating Curve

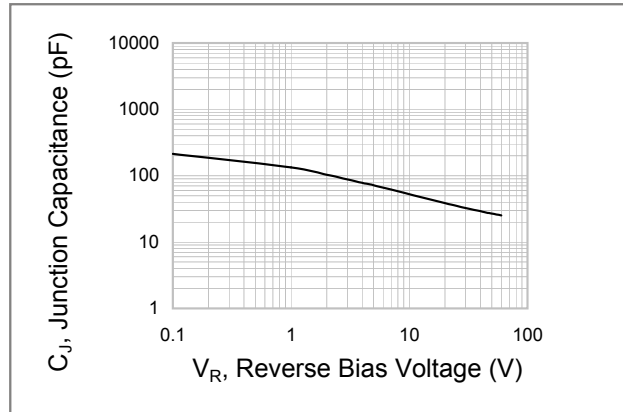


Fig.2 Typical Junction Capacitance

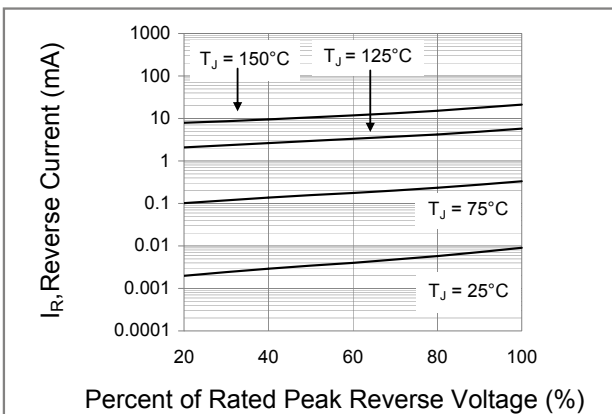


Fig.3 Typical Reverse Characteristics

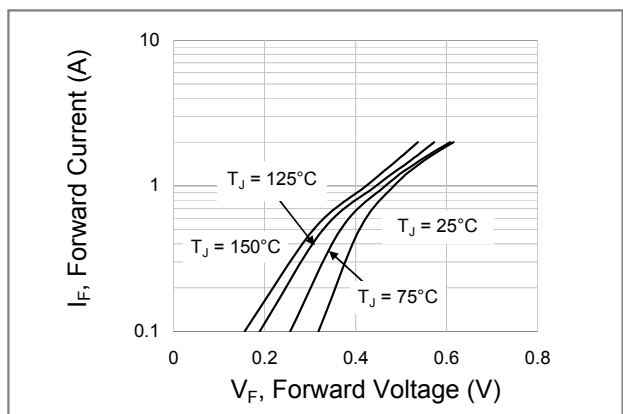


Fig.4 Typical Forward Characteristics