



SS1060

SURFACE MOUNT SCHOTTKY BARRIER

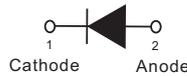
VOLTAGE 60 Volts **CURRENT** 1 Ampers

FEATURES

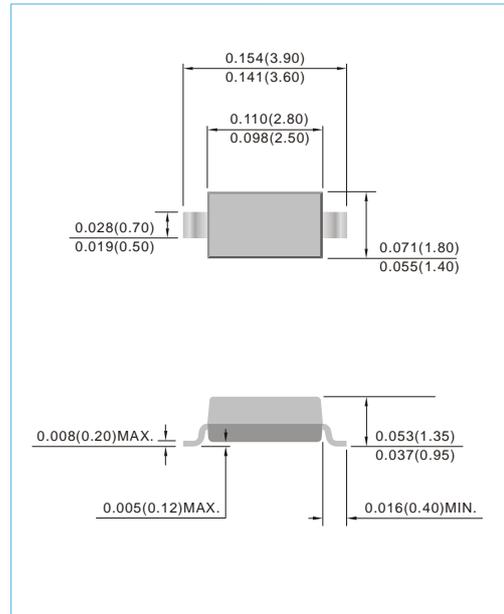
- Fast switching speed
- Surface mount package ideally suited for automatic insertion
- Electrical identical standard JEDEC.
- High conductor
- Lead free in comply with EU RoHS 2011/65/EU directives
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

- Case : SOD-123, Plastic
- Terminals : Solderable per MIL-STD-750, Method 2026
- Approx. Weight : 0.0004 ounce, 0.01 gram
- Polarity : Color band denotes cathode end
- Marking : G60



SOD-123 Unit : inch(mm)



ABSOLUTE RATINGS

Parameter	Symbol	Value	Units
Peak Reverse Voltage	V_{RRM}	60	V
Maximum RMS Voltage	V_{RMS}	42	V
Average Rectified Current	$I_{F(AV)}$	1	A
Peak Forward Surge Current at t=8.3ms	I_{FSM}	30	A

THERMAL CHARACTERISTICS

Parameter	Symbol	Value	Units
Thermal Resistance (NOTES 1)	$R_{\theta JL}$	200	°C/W
Thermal Resistance (NOTES 2)	$R_{\theta JA}$	380	°C/W
Junction Temperature	T_J	-55 to 125	°C
Storage Temperature Range	T_{STG}	-55 to 125	°C

NOTES: 1.Mounted on an FR4 PCB, single-sided copper, with 100cm² copper pad area
2.Mounted on an FR4 PCB, single-sided copper, mini pad.



SS1060

ELECTRICAL CHARACTERISTICS

Parameter	Symbol	Test Condition	MIN.	TYP.	MAX.	Units
Reverse Current	I_R	$V_R=60\text{ V}$	-	-	30	μA
Forward Voltage	V_F	$I_F=1\text{ A}$	-	0.64	0.7	V

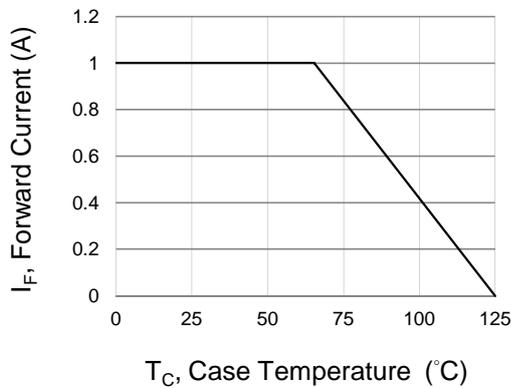


Fig.1 Forward Current Derating Curve

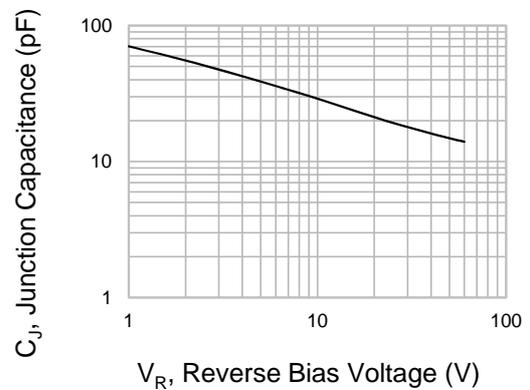


Fig.2 Typical Junction Capacitance

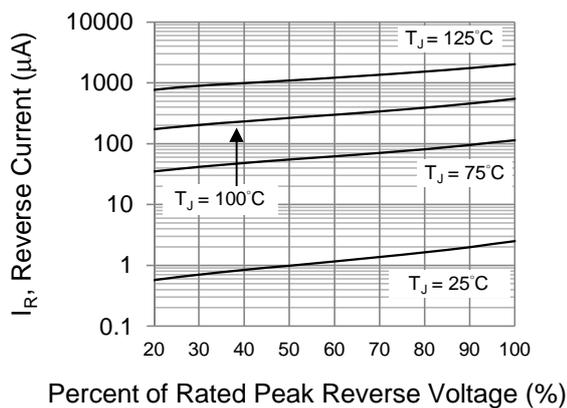


Fig.3 Typical Reverse Characteristics

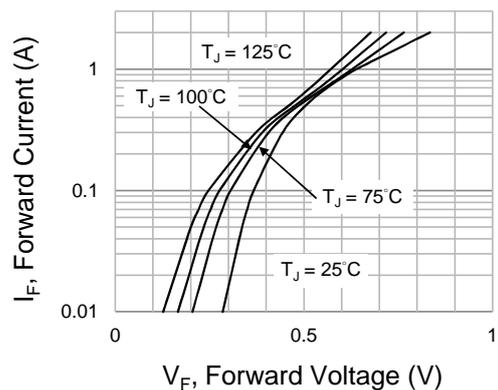
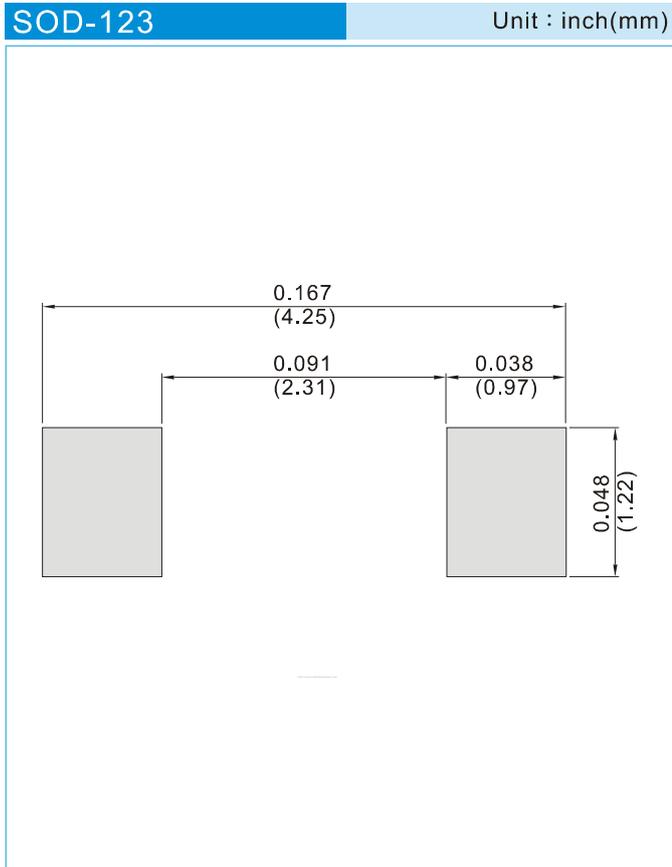


Fig.4 Typical Forward Characteristics



SS1060

MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information
T/R - 10K per 13" plastic Reel
T/R - 3K per 7" plastic Reel



SS1060

Part No_packing code_Version

SS1060_R1_00001

SS1060_R2_00001

For example :

RB500V-40_R2_00001



Packing Code XX				Version Code XXXXX		
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code
Tape and Ammunition Box (T/B)	A	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	B	13"	2			
Tube Packing (T/P)	T	26mm	X			
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y			
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U			
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D			



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