



SS1060HEWS-AU

SCHOTTKY BARRIER DIODE

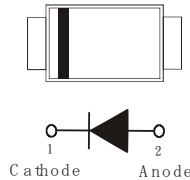
VOLTAGE 60 Volt **CURRENT** 1 Ampere

FEATURES

- SOD-323HE low profile package
- Low forward voltage drop, low reverse current
- High Efficiency
- Lead free in compliance with EU RoHS 2011/65/EU directive
- Green molding compound as per IEC61249 Std. . (Halogen Free)
- Acquire quality system certificate : TS16949
- AEC-Q101 qualified

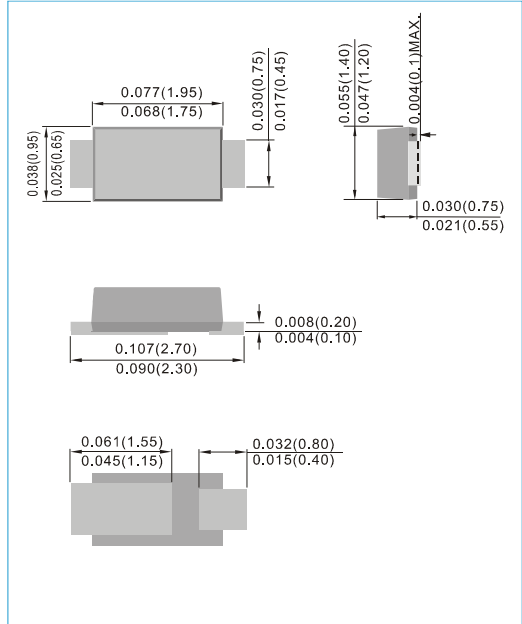
APPLICATIONS

- Case: SOD-323HE, Plastic
- Terminals:Solder plated,solderable per MIL-STD-750,Method2026
- Approx. Weight: 0.0006 ounces, 0.0185 grams
- Low voltage high frequency inverters
- DC/DC converters
- Polarity protection
- Freewheeling
- Marking : EW



SOD-323HE

Unit : inch(mm)



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

PARAMETER	SYMBOL	LIMITS	UNIT
Repetitive Peak Reverse Voltage	V _{RRM}	60	V
Average Rectified Forward Current	I _O	1.0	A
Peak Forward Surge Current (Half Sine Wave , 1 cycle , non-repetitive)	I _{FSM}	22	A
Operating Junction Temperature and Storage Temperature Range	T _J ,T _{STG}	-40 to +150	°C

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

PARAMETER	SYMBOL	TEST CONDITIONS	MIN.	TYP.	MAX.	UNITS
Forward Voltage	V _{F1}	I _F =0.1A	-	0.38	0.43	V
	V _{F2}	I _F =0.7A	-	0.55	0.58	V
	V _{F3}	I _F =1.0A	-	0.63	0.68	V
Reverse Current	I _{R1}	V _R =5V	-	0.3	-	μA
	I _{R2}	V _R =60V	-	3	100	μA
Thermal Resistance (Note)	R _{θJA}	Junction to Ambient	-	-	220	°C/W
	R _{θJL}	Junction to Lead	-	-	50	°C/W
Typical Junction Capacitance	C _J	V _R =0V, f=1MHz	-	113	-	pF

Note : Mounted on P.C Board with (15mmx50mm) copper pad areas.



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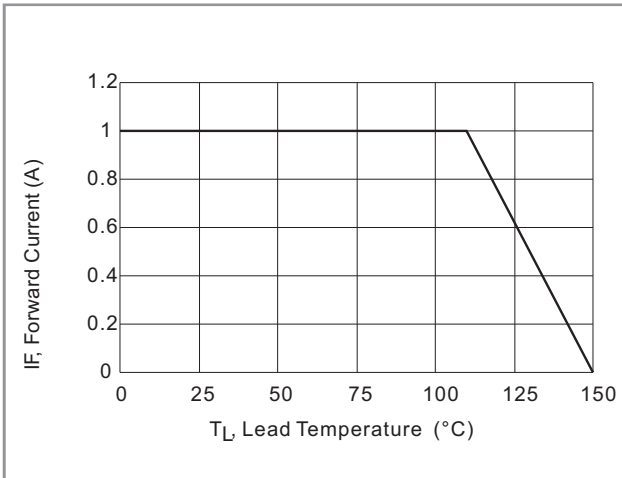


Fig.1 Forward Current Derating Curve

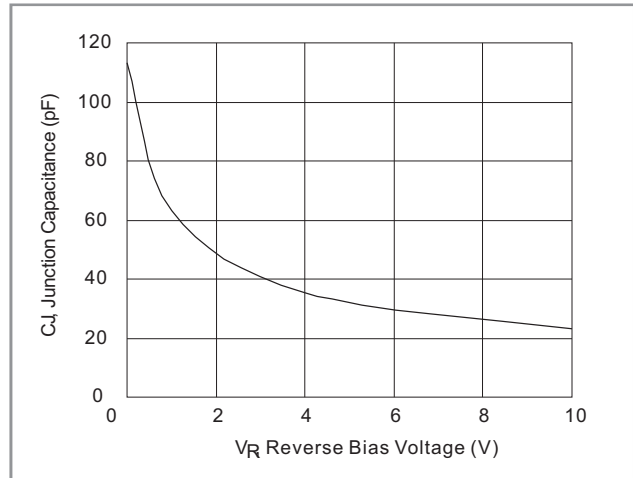


Fig.2 Typical Junction Capacitance

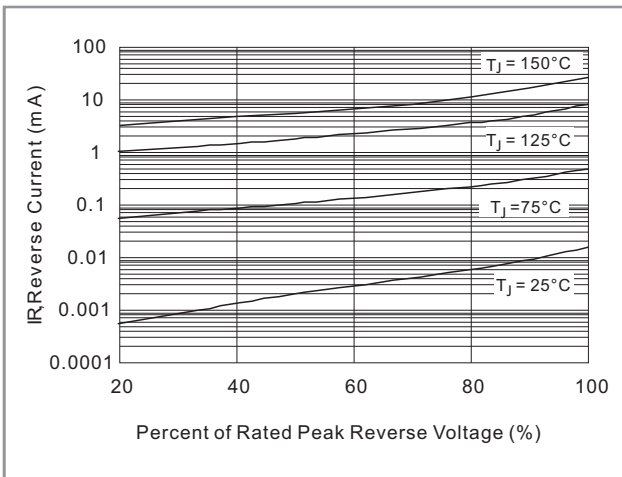


Fig.3 Typical Reverse Characteristics

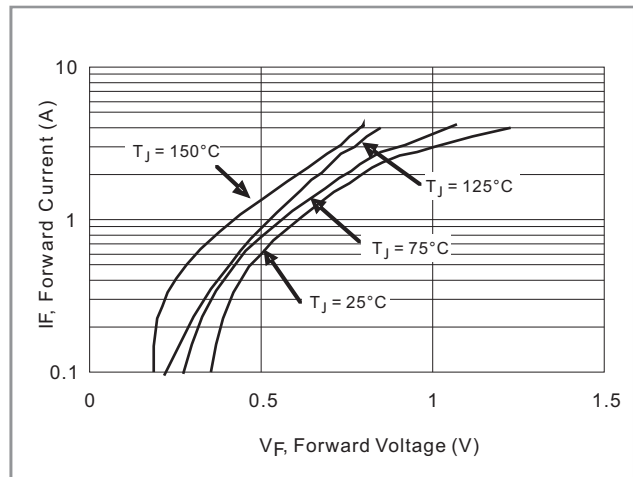


Fig.4 Typical Forward Characteristics

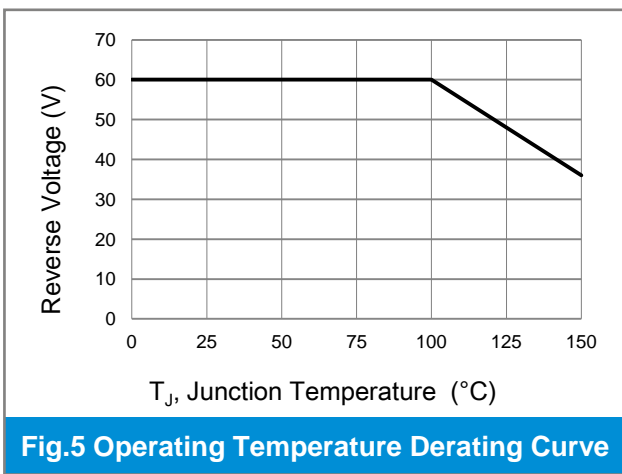
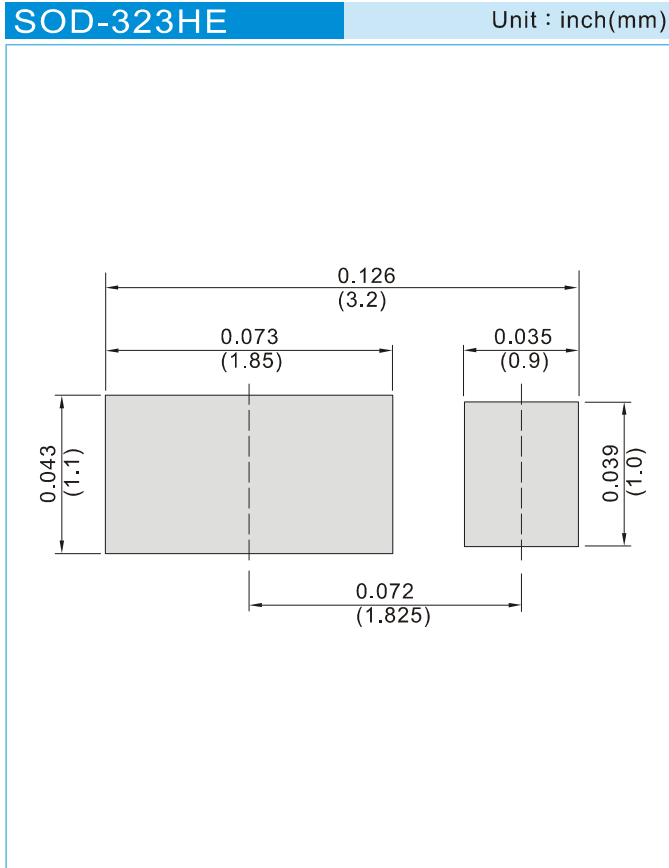


Fig.5 Operating Temperature Derating Curve



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MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information
T/R - 12K per 13" plastic Reel
T/R - 5K per 7" plastic Reel



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Part No_packing code_Version

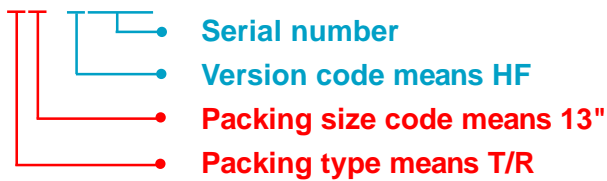
SS1060HEWS-AU_R1_000A1

SS1060HEWS-AU_R2_000A1

For example :

RB500V-40 **R2** **00001**

Part No.



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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