



# SS1060HEWS

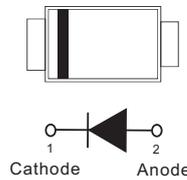
## SCHOTTKY BARRIER DIODE

### FEATURES

- SOD-323HE low profile package
- Low forward voltage drop, low reverse current
- High Efficiency
- In compliance with EU RoHS 2002/95/EC directives and with Halogen Free

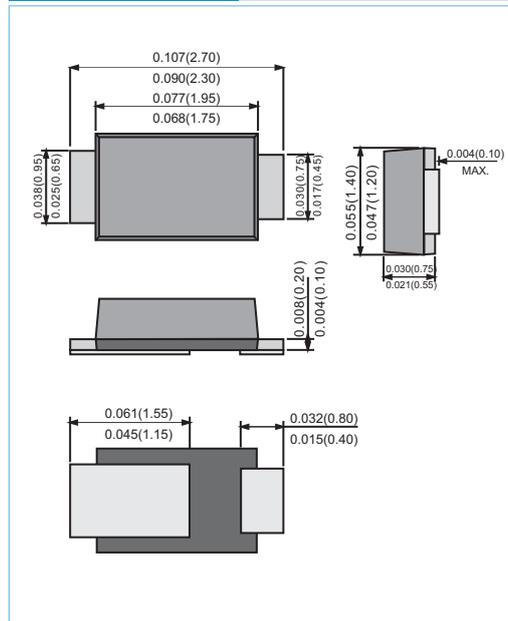
### APPLICATIONS

- Low voltage high frequency inverters
- DC/DC converters
- Polarity protection
- Freewheeling
- Marking : EW



SOD-323HE

Unit: inch (mm)



### ABSOLUTE MAXIMUM RATINGS (TA=25°C)

PARAMETER	SYMBOL	LIMITS	UNIT
Maximum Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	60	V
Maximum Average Rectified Forward Current	I <sub>O</sub>	1.0	A
Peak Forward Surge Current (Half Sine Wave , 1 cycle , non-repetitive )	I <sub>FSM</sub>	22	A
Operating Junction Temperature Range	T <sub>J</sub>	-40 to +150	°C
Storage Temperature Range	T <sub>STG</sub>	-40 to +150	°C

### ELECTRICAL CHARACTERISTICS (TA=25°C)

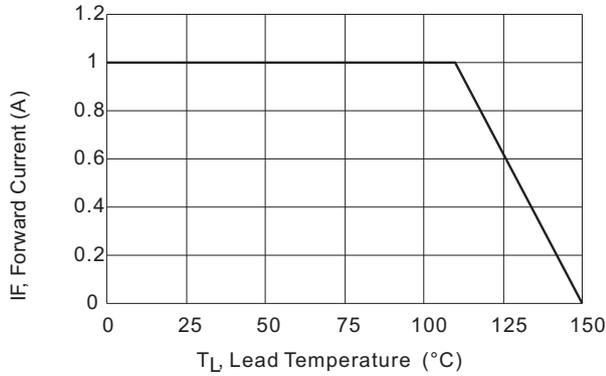
PARAMETER	SYMBOL	TEST CONDITIONS	MIN.	TYP.	MAX.	UNITS
Forward Voltage	V <sub>F1</sub>	I <sub>F</sub> =0.1A	-	0.38	0.43	V
	V <sub>F2</sub>	I <sub>F</sub> =0.7A	-	0.55	0.58	V
	V <sub>F3</sub>	I <sub>F</sub> =1.0A	-	0.63	0.68	V
Reverse Current	I <sub>R1</sub>	V <sub>R</sub> =5V	-	0.3	-	μA
	I <sub>R2</sub>	V <sub>R</sub> =60V	-	3	100	μA
Thermal Resistance (Note)	R <sub>θJA</sub>	Junction to Ambient	-	-	220	°C/W
	R <sub>θJL</sub>	Junction to Lead	-	-	50	°C/W

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

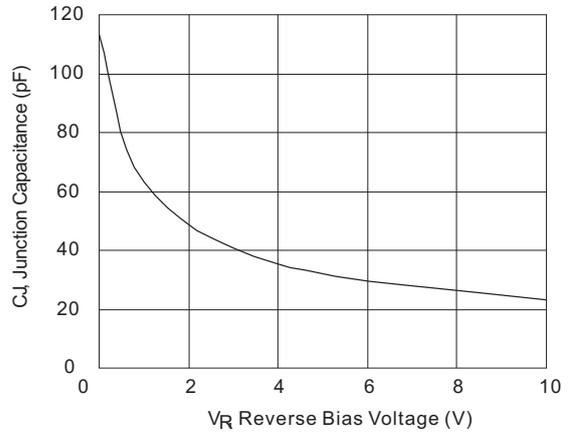
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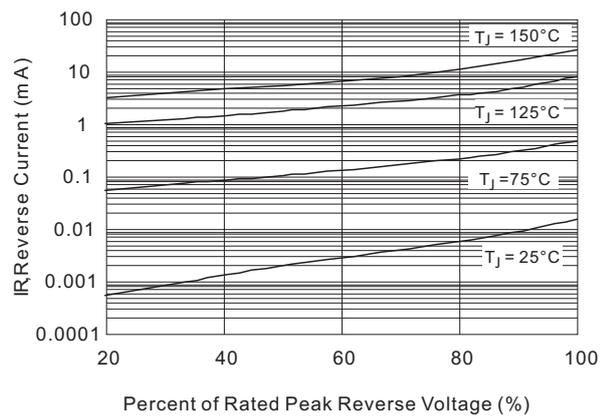
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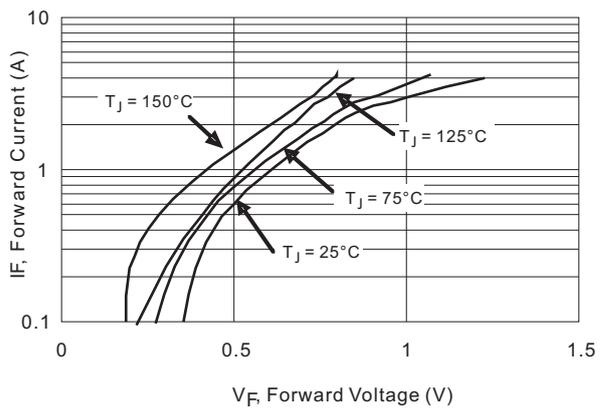
**Fig.1 Forward Current Derating Curve**



**Fig.2 Typical Junction Capacitance**



**Fig.3 Typical Reverse Characteristics**

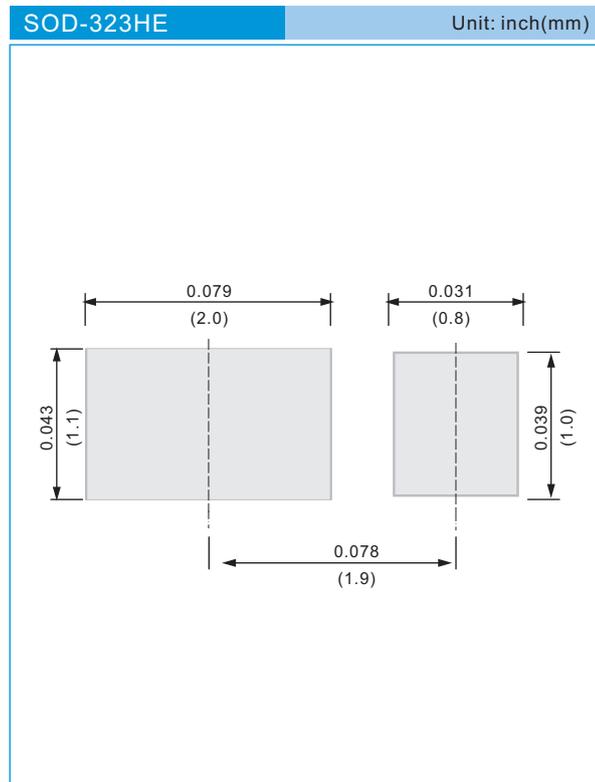


**Fig.4 Typical Forward Characteristics**



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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

## LEGAL STATEMENT

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