

Features

- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix Designates Compliant. See Ordering Information)
- Schottky Barrier Rectifier
- Guard Ring Protection
- Low Forward Voltage
- High Current Capability
- Epoxy Meets UL 94 V-0 Flammability Rating
- Halogen Free Available Upon Request By Adding Suffix "-HF"

2.0 Amp Schottky Barrier Rectifier 80 to 100 Volts

Maximum Ratings

- Operating Junction Temperature Range: -50°C to +150°C
- Storage Temperature Range: -50°C to +150°C
- Maximum Thermal Resistance: 35°C/W Junction to Ambient

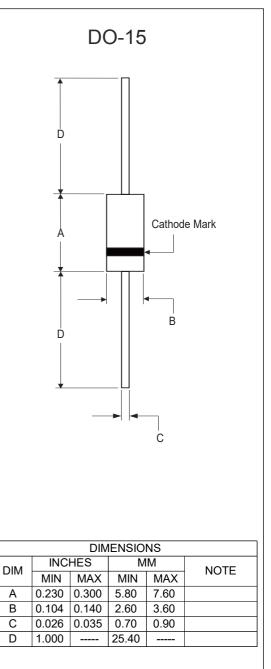
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SB280	SB280	80V	56V	80V
SB2010	SB2010	100V	70V	100V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	2.0A	T _L =75°C
Maximum Surge Current	I _{FSM}	50A	8.3ms,Half Sine
Max Peak Forward Voltage	V _{FM}	0.85V	I _{FM} =2.0A; T _J =25°C*
Max Peak Reverse Current	I _{RM}	0.01mA	V _{RRM} , T _J =25⁰C
Maximum Junction Capacitance	CJ	90pF	V _R =4.0V f=1.0MHz

*Pulse test: Pulse width 300 $\mu sec,$ Duty cycle 2%

Note : 1. High Temperature Solder Exemptions Applied, see EU Directive Annex 7a.





Curve Characteristics

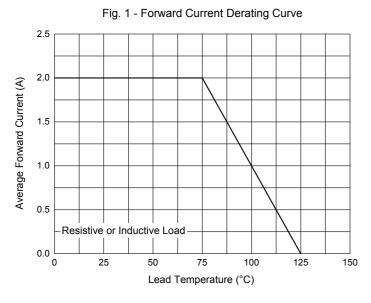
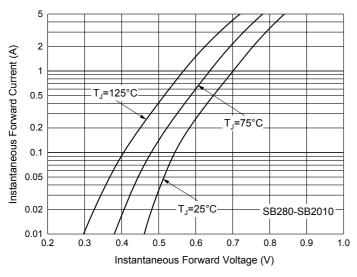
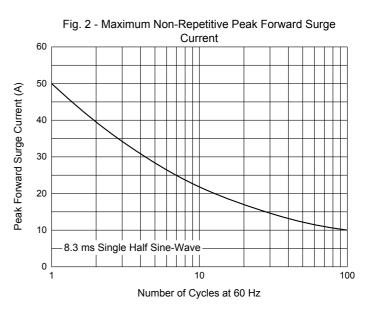
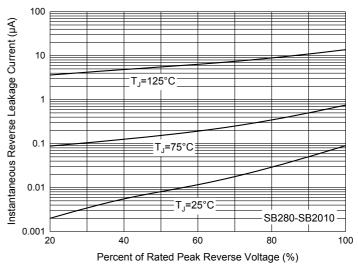


Fig. 3 - Typical Instantaneous Forward Characteristics











Ordering Information

Device	Packing	
(Part Number)-TP	Tape&Reel: 4Kpcs/Reel	
(Part Number)-AP	Ammo Packing: 3Kpcs/Ammo Box	
(Part Number)-BP	Bulk:500pcs/Box,25Kpcs/Carton	

Note : Adding "-HF" Suffix For Halogen Free, eg. Part Number-TP-HF

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