

**Micro Commercial Components** 

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# SR208 THRU SR2010

## **Features**

- Guard Ring Protection
- Low Power Loss for High Efficiency
- Lead Free Finish/RoHS Compliant (Note1) ("P"Suffix designates Compliant. See ordering information)
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL rating 1

# **Maximum Ratings**

- Operating Temperature: -50°C to +125°C
- Storage Temperature: -50°C to +125°C
- Maximum Thermal Resistance: 35°C/W Junction To Ambient

MCC catalog Number	Device Marking	Maximum Reccurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SR208	SR208	80V	56V	80V
SR2010	SR2010	100V	70V	100V

### Electrical Characteristics @ 25°C Unless Otherwise Specified

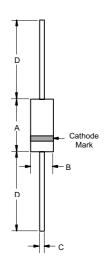
Average forward current	I <sub>F(AV)</sub>	2A	
Maximum surge current	I <sub>FSM</sub>	50A	8.3ms, half sine,
Max peak forward voltage	$V_{FM}$		I <sub>FM</sub> = 2.0A; T <sub>J</sub> = 25°C*
3		.85V	
Max peak reverse current	I <sub>RM</sub>	1.0mA	$V_{RRM}$ , $T_J = 25^{\circ}C$
Typical junction capacitance	CJ	170pF	V <sub>R</sub> = 4.0V f = 1.0MHz

<sup>\*</sup>Pulse test: Pulse width 300 µsec, Duty cycle 2%

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

## 2 Amp Schottky Barrier Rectifier 80 to 100 Volts





DIMENSIONS							
	INCHES		MM				
DIM	MIN	MAX	MIN	MAX	NOTE		
Α	.166	.205	4.10	5.20			
В	.080	.107	2.00	2.70			
С	.028	.034	.70	.90			
D	1.000		25.40				

## SR208 thru SR2010



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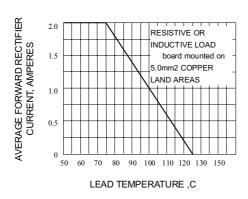
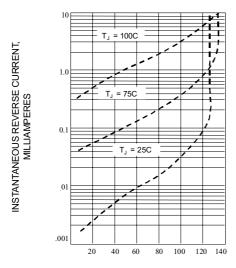


Fig. 1-FORWARD CURRENT DERATING CURVE



PERCENT OF RATED PEAK REVERSE VOLTAGE, %

Fig. 3-TYPICAL REVERSE CHARACTERISTICS

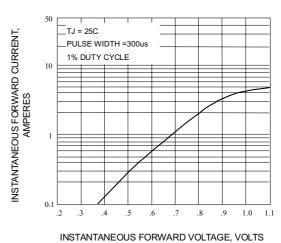


Fig. 2-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

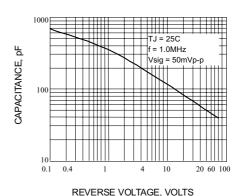


Fig. 4-TYPICAL JUNCTION CAPACITANCE

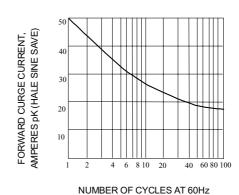


Fig. 5-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT



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### **Ordering Information**

Device	Packing	
(Part Number)-TP	Tape&Reel 5Kpcs/Reel	
(Part Number)-AP	Ammo Packing;5Kpcs/AmmoBox	
(Part Number)-BP	Bulk;1Kpcs/Box	

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