



Micro Commercial Components



Micro Commercial Components  
20736 Marilla Street Chatsworth  
CA 91311  
Phone: (818) 701-4933  
Fax: (818) 701-4939

## SR208 THRU SR2010

### Features

- Halogen free available upon request by adding suffix "-HF"
- Guard Ring Protection
- Low Power Loss for High Efficiency
- Lead Free Finish/RoHS Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 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 Reccurent 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

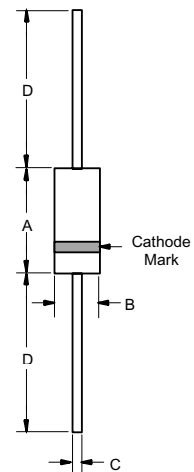
Average forward current	$I_{F(AV)}$	2A	
Maximum surge current	$I_{FSM}$	50A	8.3ms, half sine,
Max peak forward voltage	$V_{FM}$	.85V	$I_{FM} = 2.0A$ ; $T_J = 25^\circ C^*$
Max peak reverse current	$I_{RM}$	1.0mA	$V_{RRM}$ , $T_J = 25^\circ C$
Typical junction capacitance	$C_J$	170pF	$V_R = 4.0V$ $f = 1.0MHz$

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

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

## 2 Amp Schottky Barrier Rectifier 80 to 100 Volts

### DO-41



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.166	.205	4.10	5.20	
B	.080	.107	2.00	2.70	
C	.028	.034	.70	.90	
D	1.000	---	25.40	---	

# SR208 thru SR2010

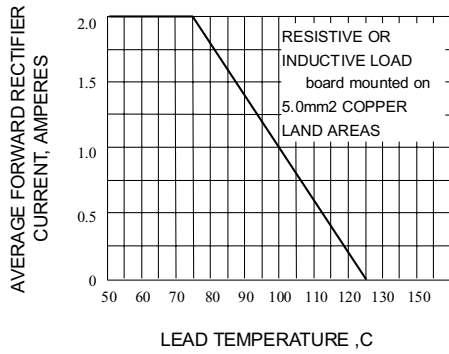


Fig. 1-FORWARD CURRENT DERATING CURVE

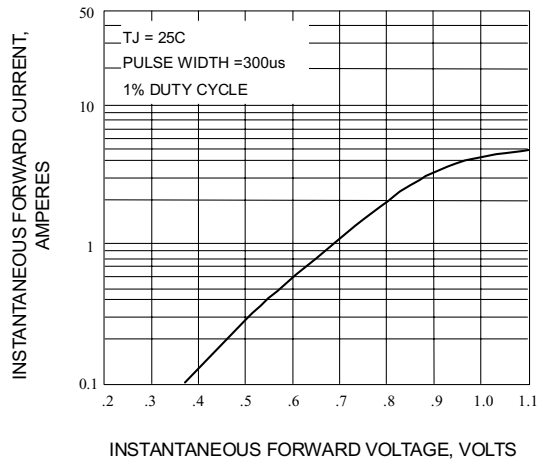


Fig. 2-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

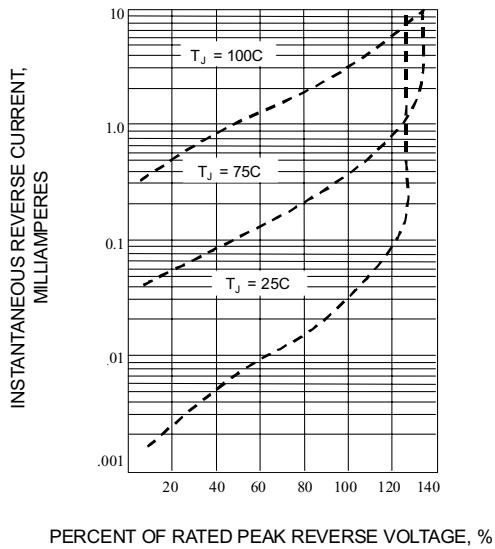


Fig. 3-TYPICAL REVERSE CHARACTERISTICS

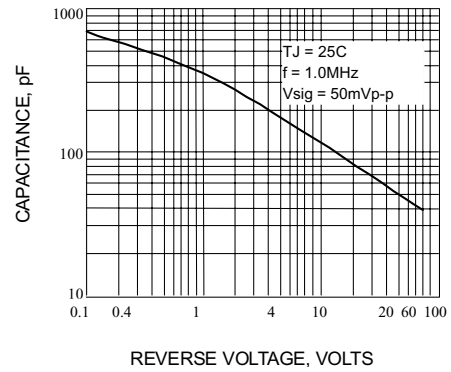


Fig. 4-TYPICAL JUNCTION CAPACITANCE

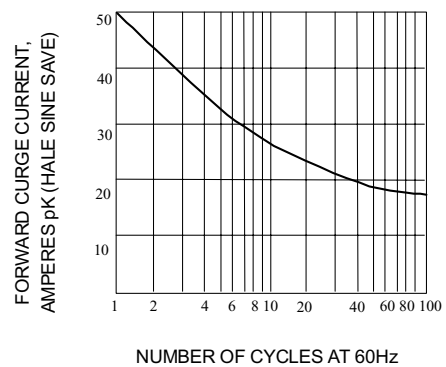


Fig. 5-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

## Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 5Kpcs/Reel
Part Number-AP	Ammo Packing: 5Kpcs/Ammo Box
Part Number-BP	Bulk: 50Kpcs/Carton

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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