



Micro Commercial Corp.
21201 Itasca St.
Chatsworth, CA 91311
Phone: (818) 701-4933
Fax: (818) 701-4939

SR202 Thru SR210

Features

- Schottky Barrier Rectifier
- Guard Ring Protection
- Low Forward Voltage
- Reverse Energy Tested
- High Current Capability
- Extremely Low Thermal Resistance

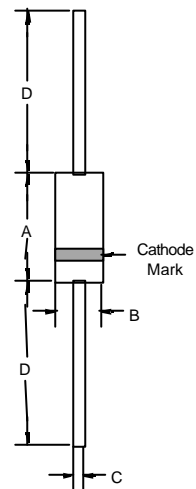
2 Amp Schottky Rectifier 20V-100V

Maximum Ratings

- Operating Temperature: -40°C to +150°C
- Storage Temperature: -40°C to +150°C
- Maximum Thermal Resistance; 15°C/W Junction To Lead
- Weight: .003 ounces (.0093 grams) typical

MCC Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SR202	20V	14V	20V
SR203	30V	21V	30V
SR204	40V	28V	40V
SR205	50V	35V	50V
SR206	60V	42V	60V
SR208	80V	56V	80V
SR110	100V	70V	100V

DO-41



Electrical Characteristics @ 25°C Unless Otherwise Specified

Average forward current	$I_{F(AV)}$	2A	Square wave
Maximum surge current	I_{FSM}	70A	8.3ms, half sine, $T_J = 150^\circ\text{C}$
Max peak forward voltage	V_{FM}	SR202 .45V SR203 .55V SR204 .60V SR205-206 .72V SR208-210 .80V	$I_{FM} = 2.0\text{A}; T_J = 25^\circ\text{C}^*$
Max peak reverse current	I_{RM}	500 μA	$V_{RRM}, T_J = 25^\circ\text{C}$
Typical junction capacitance	C_J	50pF	$V_R = 5.0\text{V}, T_J = 25^\circ\text{C}$

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

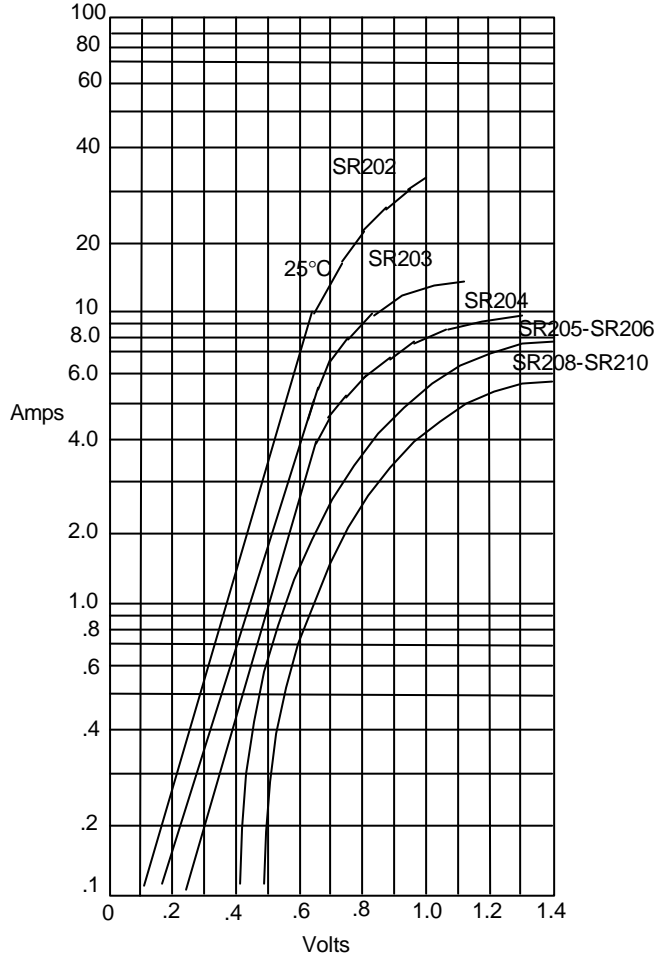
*Pulse test: Pulse width 300 μsec , Duty cycle 2%

www.mccsemi.com

SR202 thru SR210

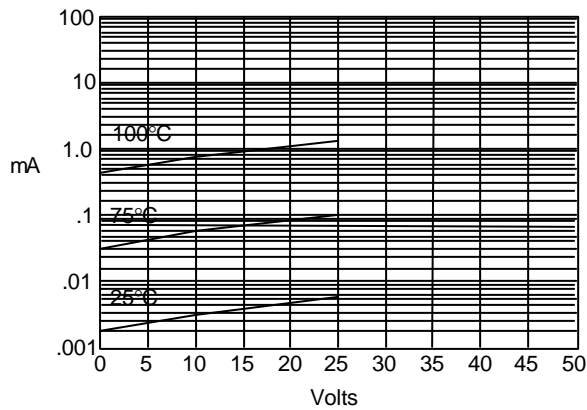


Figure 1
Typical Forward Characteristics



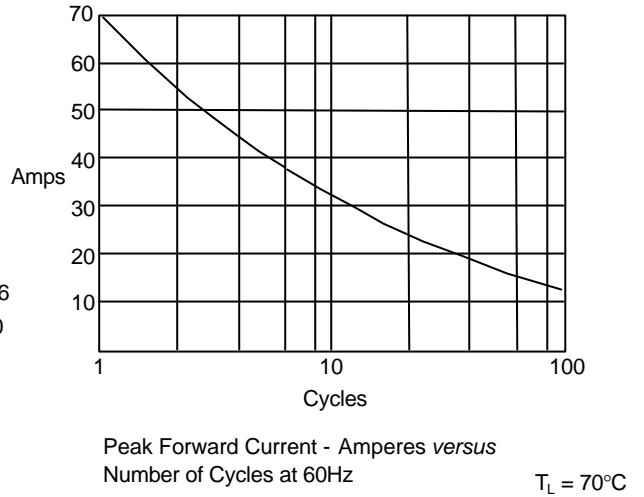
Instantaneous Forward Current - Amperes versus
Instantaneous Forward Voltage - Volts

Figure 2
Typical Reverse Characteristics



Typical Reverse Current - mA versus
Reverse Voltage - Volts

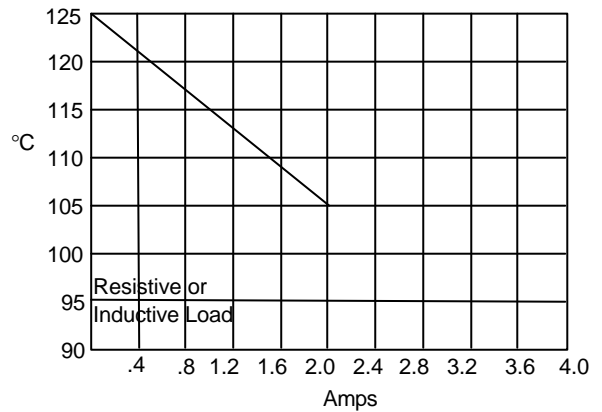
Figure 3
Maximum Nonrepetitive Surge Current



Peak Forward Current - Amperes versus
Number of Cycles at 60Hz

$T_L = 70^\circ\text{C}$

Figure 4
Forward Current Derating



Maximum Allowable Case Temperature - °C versus
Average Forward Current - Amperes