

**M•C•C•**

Micro Commercial Components



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

**SR202  
THRU  
SR206**

## Features

- Guard Ring Protection
- Low Forward Voltage Drop
- Low Power Loss for High Efficiency
- Reverse Energy Tested
- 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; 30°C/W Junction To Lead

**2 Amp Schottky  
Barrier Rectifier  
20 - 60 Volts**

Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SR202	SR202	20V	14V	20V
SR203	SR203	30V	21V	30V
SR204	SR204	40V	28V	40V
SR206	SR206	60V	42V	60V

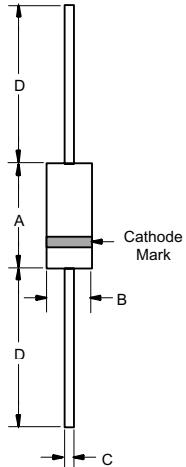
## Electrical Characteristics @ 25°C Unless Otherwise Specified

Average forward current	$I_{F(AV)}$	2A	$T_L=90^\circ\text{C}$
Maximum surge current	$I_{FSM}$	50A	8.3ms, half sine, $T_J = 150^\circ\text{C}$
Max peak forward voltage	$V_{FM}$		$I_{FM} = 2.0\text{A}; T_J = 25^\circ\text{C}^*$
SR202-SR204 SR206		.55V .70V	
Max peak reverse current	$I_{RM}$	1mA 10 mA	$V_{RRM}, T_J = 25^\circ\text{C}$ $T_J = 100^\circ\text{C}$
Typical junction capacitance	$C_J$	50pF	$V_R = 5.0\text{V}, T_J = 25^\circ\text{C}$

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

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

**DO-41**



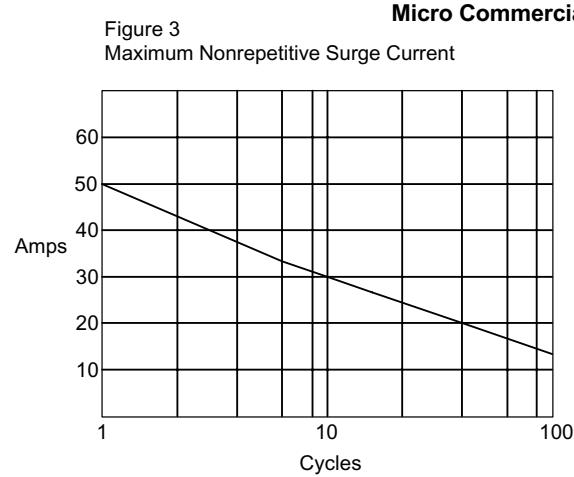
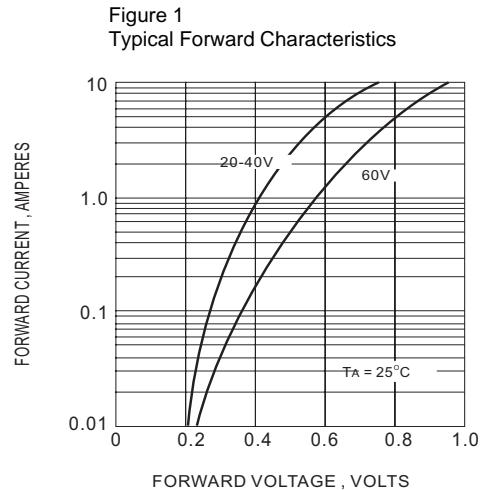
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.166	.205	4.10	5.20	
B	.080	.107	2.00	2.70	
C	.028	.034	.70	.90	
D	1.000	---	25.40	---	

**www.mccsemi.com**

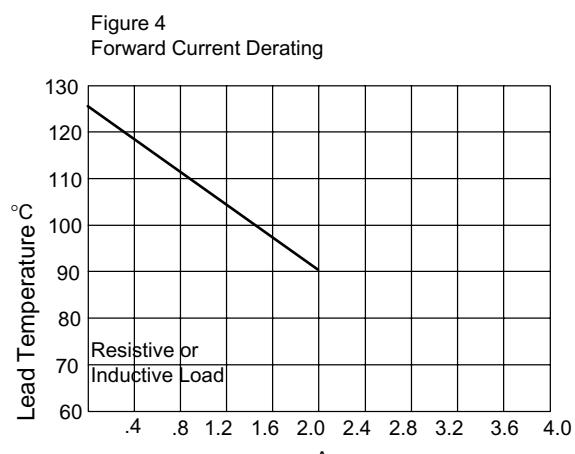
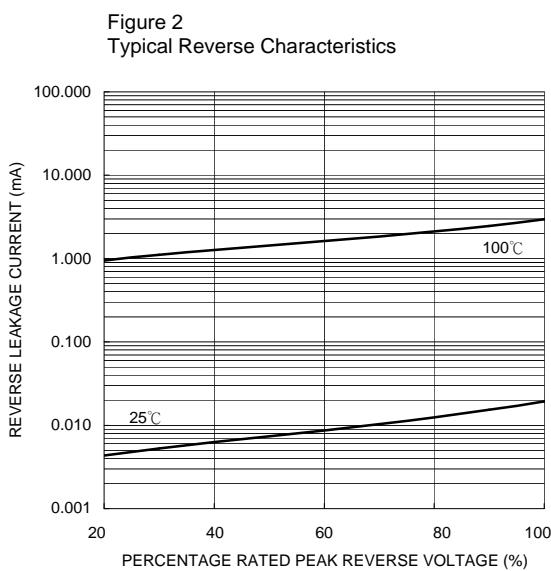
# SR202 thru SR206

•M•C•C•

TM



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



Lead Temperature - °C versus  
Average Forward Current - Amperes



TM

Micro Commercial Components

## 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

### \*\*\*IMPORTANT NOTICE\*\*\*

**Micro Commercial Components Corp.** reserves the right to make changes without further notice to any product herein to make corrections, modifications , enhancements , improvements , or other changes . **Micro Commercial Components Corp.** does not assume any liability arising out of the application or use of any product described herein; neither does it convey any license under its patent rights ,nor the rights of others . The user of products in such applications shall assume all risks of such use and will agree to hold **Micro Commercial Components Corp.** and all the companies whose products are represented on our website, harmless against all damages.

### \*\*\*LIFE SUPPORT\*\*\*

MCC's products are not authorized for use as critical components in life support devices or systems without the express written approval of Micro Commercial Components Corporation.

### \*\*\*CUSTOMER AWARENESS\*\*\*

Counterfeiting of semiconductor parts is a growing problem in the industry. Micro Commercial Components (MCC) is taking strong measures to protect ourselves and our customers from the proliferation of counterfeit parts. MCC strongly encourages customers to purchase MCC parts either directly from MCC or from Authorized MCC Distributors who are listed by country on our web page cited below. Products customers buy either from MCC directly or from Authorized MCC Distributors are genuine parts, have full traceability, meet MCC's quality standards for handling and storage. **MCC will not provide any warranty coverage or other assistance for parts bought from Unauthorized Sources.** MCC is committed to combat this global problem and encourage our customers to do their part in stopping this practice by buying direct or from authorized distributors.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Micro Commercial Components \(MCC\):](#)

[SR203-T](#) [SR206-T](#) [SR202-T](#) [SR204-T](#)