



Micro Commercial Components



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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

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

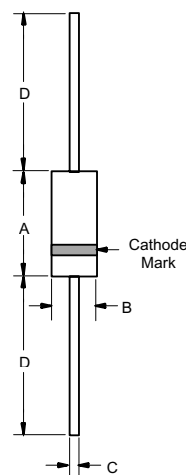
Average forward current	$I_{F(AV)}$	2A	$T_L = 90^\circ\text{C}$
Maximum surge current	I_{FSM}	50A	8.3ms, half sine, $T_J = 150^\circ\text{C}$
Max peak forward voltage SR202-SR204 SR206	V_{FM}	.55V .70V	$I_{FM} = 2.0\text{A}; T_J = 25^\circ\text{C}^*$
Max peak reverse current	I_{RM}	1mA 10 mA	$V_{RRM},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

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

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

2 Amp Schottky Barrier Rectifier 20 - 60 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	---	

SR202 thru SR206



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Figure 1
Typical Forward Characteristics

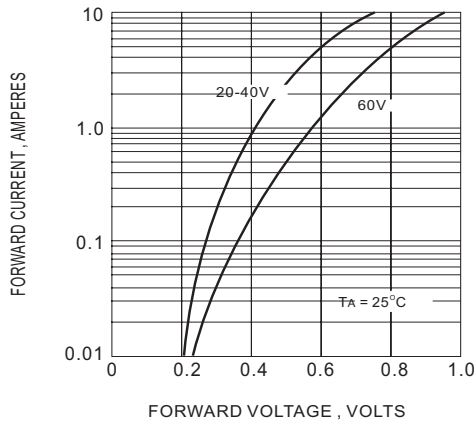
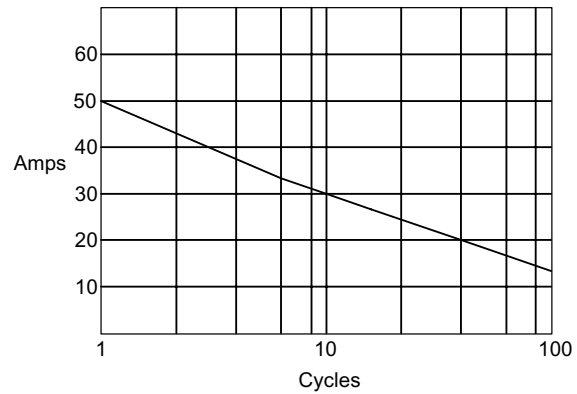


Figure 3
Maximum Nonrepetitive Surge Current



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

Figure 2
Typical Reverse Characteristics

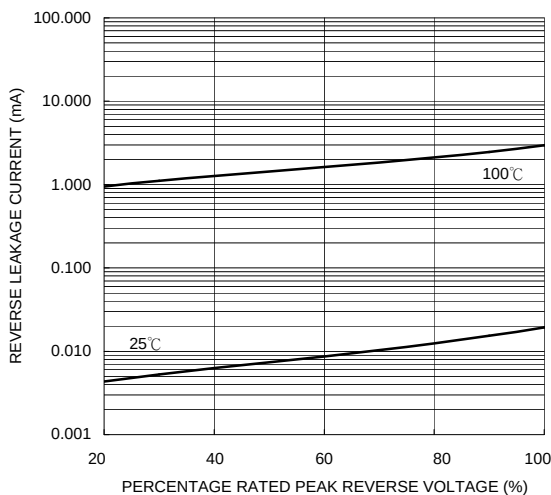
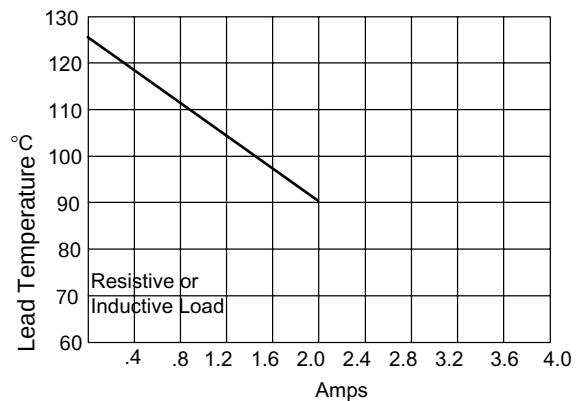


Figure 4
Forward Current Derating



Lead Temperature - $^\circ\text{C}$ versus
Average Forward Current - Amperes

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

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