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Part Number	SR202
product family	SCHOTTKY BARRIER RECTIFIERS
package type	DO-41
VRM(PRV)	20V
Ifsm	50A
IF(AV)	2.0A
@Vf	0.55V
@If	2.0A
Trr	
IR	2.0mA
@VR	20V
Package Qty	Bulk: 1K/Box, 50K/Ctn ; Tape : 5K/Reel, 20K/Ctn; T/B: 5K/ Ammo Box, 50K/Ctn.

This product is listed under the following categories where you may find similar products:

[Diodes](#)

[Schottky Barrier Rectifiers](#)

# 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)
- 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; 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

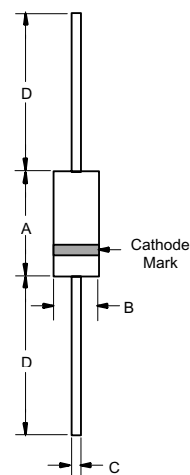
Average forward current	$I_{F(AV)}$	2A	Square wave
Maximum surge current	$I_{FSM}$	50A	8.3ms, half sine, $T_J = 150^\circ\text{C}$
Max peak forward voltage SR202-SR204 SR206	$V_{FM}$	.55V .70V	$I_{FM} = 2.0\text{A}; T_J = 25^\circ\text{C}^*$
Max peak reverse current	$I_{RM}$	1.0 mA	$V_{RRM}, T_J = 25^\circ\text{C}$
Typical junction capacitance	$C_J$	50pF	$V_R = 5.0\text{V}, T_J = 25^\circ\text{C}$

\*Pulse test: Pulse width 300  $\mu\text{sec}$ , 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	---	

# 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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