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Part Number	SR306
product family	SCHOTTKY BARRIER RECTIFIERS
package type	DO-201AD
VRM(PRV)	60V
Ifsm	80A
IF(AV)	3.0A
@Vf	0.72V
@If	3.0A
Trr	
IR	1.0mA
@VR	60V
Package Qty	Bulk: 500pcs/Box, 12K/Ctn ; Tape : 1.2K/Reel, 4.8K/Ctn; T/B: 1.2K/Ammo Box, 12K/Ctn.
<p>This product is listed under the following categories where you may find similar products:</p> <p><a href="#">Diodes</a></p> <p><a href="#">Schottky Barrier Rectifiers</a></p>	



Micro Commercial Components

# SR305 THRU SR3010

## 3 Amp Schottky Barrier Rectifier 50 to 100 Volts

### Features

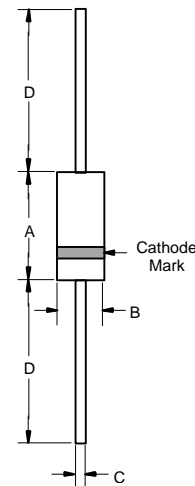
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Low Forward Voltage Drop and Low Switching Noise
- High Current Capability and High Surge Current Capability
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1

### Maximum Ratings

- Operating Temperature: -55°C to +125°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance; 30°C/W Junction To Ambient

MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SR305	---	50V	35V	50V
SR306	---	60V	42V	60V
SR308	---	80V	56V	80V
SR3010	---	100V	70V	100V

### DO-201AD



### Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	3.0A	$T_A = 85^\circ\text{C}$
Peak Forward Surge Current	$I_{FSM}$	80A	8.3ms, half sine
Maximum Instantaneous Forward Voltage SR305-306 SR308-3010	$V_F$	.72V .85V	$I_{FM} = 3.0\text{A};$ $T_J = 25^\circ\text{C}$ (Note 2)
Maximum DC Reverse Current At Rated DC Blocking Voltage	$I_R$	1.0mA 30mA	$T_J = 25^\circ\text{C}$ $T_J = 100^\circ\text{C}$
Typical Junction Capacitance	$C_J$	200pF	Measured at 1.0MHz, $V_R=4.0\text{V}$

Notes:1.High Temperature Solder Exemption Applied, see EU Directive Annex 7.  
2.Pulse test: Pulse width 300  $\mu\text{sec}$ , Duty cycle 1%

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.287	.374	7.30	9.50	
B	.189	.208	4.80	5.30	
C	.048	.052	1.20	1.30	
D	1.000	---	25.40	---	



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## Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel; 1.2Kpcs/Reel
(Part Number)-AP	Ammo Packing;1.2Kpcs/AmmoBox
(Part Number)-BP	Bulk;500pcs/Box

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