

Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 Fax: (818) 701-4939 **SR1045**

Features

- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- **Guard Ring Protection**
- **High Surge Current Capability**
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- For Use in Low Voltage, High Frequency Inverters, Free Wheeling, and Polarity Protection Applications
 Halogen free available upon request by adding suffix "-HF"

Maximum Ratings

- Operating Temperature: -55°C to +150°C Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance: 3°C/W Junction to Case

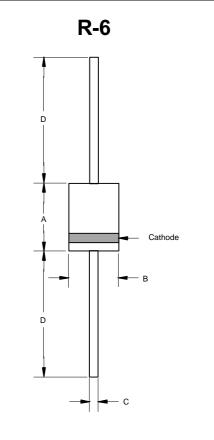
MCC Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SR1045	45V	31.5V	45V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Rectified Output current	Io	10A	T _C = 95°C
Maximum surge current	I _{FSM}	275A	8.3ms,half sine
Max peak forward			
voltage	V_{FM}	.55V	I _{FM} = 10A
Max peak reverse		0.5mA	T _J = 25 [°] C
current	I _{RM}	50mA	T _J = 100°C
Typical junction capacitance	CJ	450pF	V _R = 4.0V, f=1.0MHz
ĺ			T= 1.UIVIMZ

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

10 Amp Schottky **Barrier Rectifier** 45 Volts

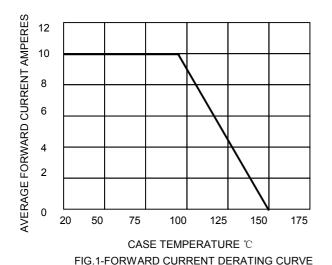


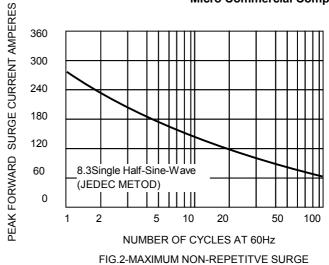
DIMENSIONS								
	INCHES		MM					
DIM	MIN	MAX	MIN	MAX	NOTE			
Α	.340	.360	8.60	9.10				
В	.340	.360	8.60	9.10				
С	.048	.052	1.20	1.30				
D	1.000		25.40					

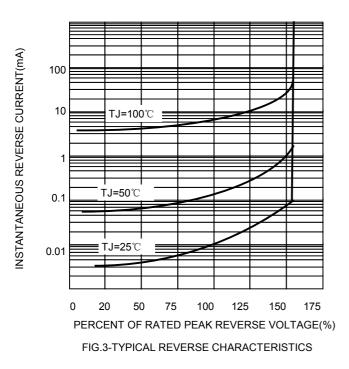
SR1045

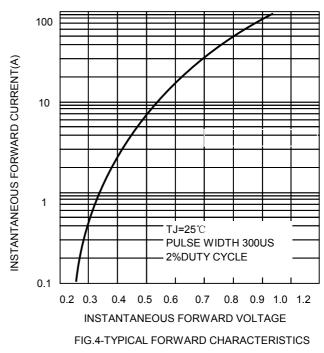


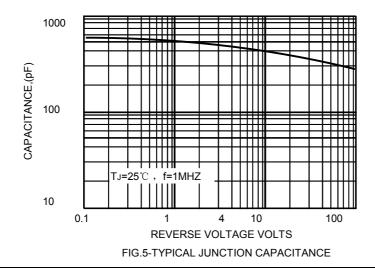
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Ordering Information:

Part Number-TP	Tape&Reel: 500pcs/Reel	
Part Number-AP	Ammo Packing: 450pcs/Ammo Box	
Part Number-BP	Bulk: 4.8Kpcs/Carton	

Note: Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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