

Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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SR1045

Features

- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Guard Ring Protection
- High Surge Current Capability
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL rating 1
- For Use in Low Voltage, High Frequency Inverters, Free Wheeling, and Polarity Protection Applications

Maximum Ratings

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

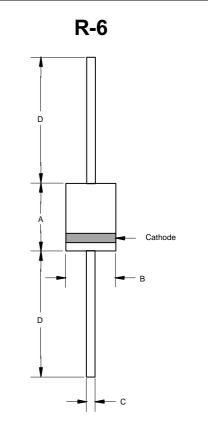
MCC Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SR1045	45V	31.5V	45V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Rectified Output current	lo	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	I _{RM}	0.5mA	T _J = 25°C
current	IRM	50mA	$T_J = 100^{\circ}C$
Typical junction capacitance			
	CJ	450pF	$V_{R} = 4.0V$,
			f=1.0MHz

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

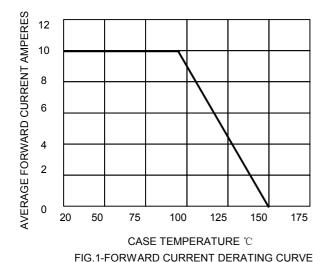
10 Amp Schottky Barrier Rectifier 45 Volts

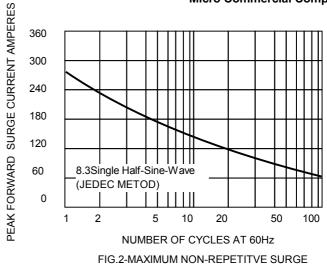


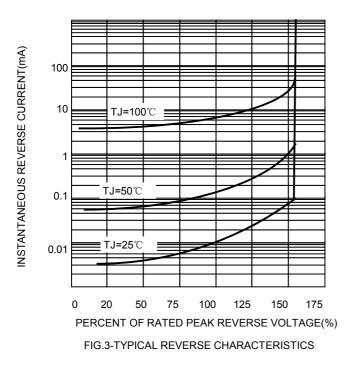
DIMENSIONS						
	INCHES		MM			
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	.340	.360	8.60	9.10		
В	.340	.360	8.60	9.10		
С	.048	.052	1.20	1.30		
D	1.000		25.40			

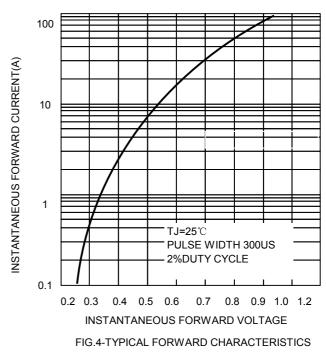
SR1045

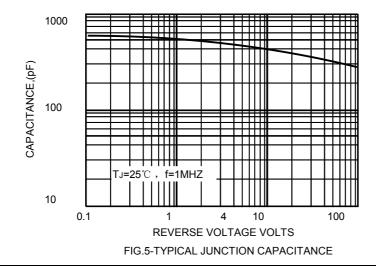
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Ordering Information

Device	Packing	
(Part Number)-TP	Tape&Reel 500pcs/Reel	
(Part Number)-AP	Ammo Packing;450pcs/AmmoBox	
(Part Number)-BP	Bulk;200pcs/Box	

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