

Micro Commercial Components

Pb

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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

B0520W

0.5 Amp

20 Volts

Schottky Rectifier

Features

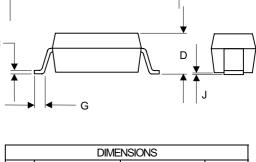
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- For Surface Mount Application
- Low Forward Voltage and Extremely Low Thermal Resistance
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

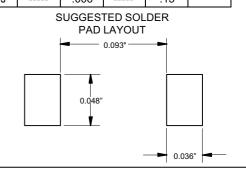
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance: 244°C/W Junction to Ambient

MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
B0520W	R2	20V	14V	20V

SOD123



DIMENSIONS							
DIM	INCHES		M	NOTE			
	MIN	MAX	MIN	MAX			
Α	.140	.152	3.55	3.85			
В	.100	.112	2.55	2.85			
С	.055	.071	1.40	1.80			
D		.053		1.35			
Е	.012	.031	0.30	.78			
G	.006		0.15				
Н		.01		.25			
J		.006		.15			



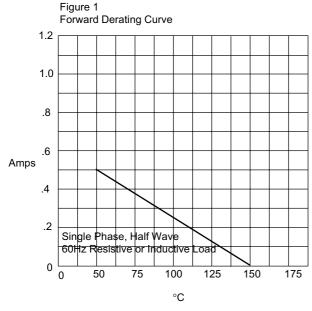
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	0.5A	T _A =50°C
Peak Forward Surge Current	I _{FSM}	5.5A	8.3ms half sine
Maximum Instantaneous Forward Voltage			
	V_{F}	0.45V	I _{FM} =0.5A T _A =25°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	0.2mA	Tյ=25°C
Typical Junction Capacitance	С	30pF	Measured at 1.0MHz, V _R =4.0 V
Power dissipation	P_D	410mW	



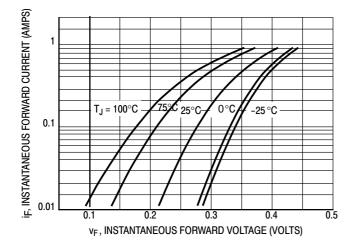
B0520W

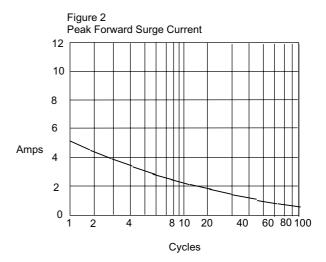
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Average Forward Rectified Current - Amperes *versus* Ambient Temperature -°C

Figure 3
Typical Forward Characteristics





Peak Forward Surge Current - Amperes*versus* Number Of Cycles At 60Hz - Cycles



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Ordering Information:

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

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