

Features

- Halogen Free. "Green" Device (Note 1)
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)
- Extremely Low Thermal Resistance
- For Surface Mount Application And High Current Capability
- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +125°C
- Storage Temperature Range: -55°C to +150°C
- Maximum Thermal Resistance:400°C/W Junction to Ambient

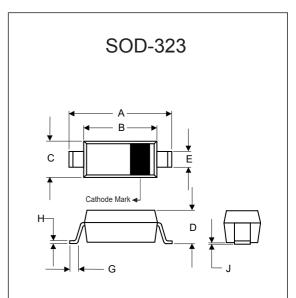
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
B0540WS	4	40V	28V	40V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	0.5A	T _A =25 °C
Peak Forward Surge Current	I _{FSM}	5A	8.3ms Half Sine
Maximum Instantaneous Forward Voltage	V _F	0.55V	I _{FM} =0.5A; T _J =25 °C
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R	0.08mA	V _R = 40V
Typical Junction Capacitance	CJ	30pF	Measured at 1.0MHz,V _R =4.0V
Power Dissipation	P _D	250mW	

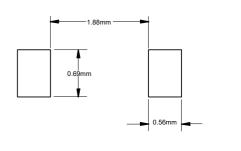
Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

0.5 Amp Schottky Rectifier 40 Volts



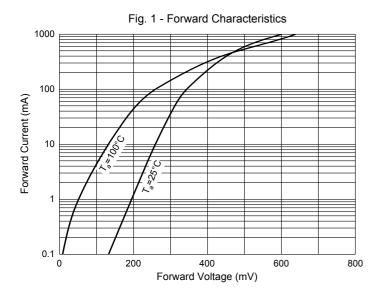
DIMENSIONS							
DIM	INCHES		MM		NOTE		
DIIVI	MIN	MAX	MIN	MAX	NOTE		
Α	0.090	0.107	2.30	2.70			
В	0.063	0.071	1.60	1.80			
С	0.045	0.053	1.15	1.35			
D	0.031	0.045	0.80	1.15			
E	0.010	0.016	0.25	0.40			
G	0.004	0.018	0.10	0.45			
Н	0.004	0.010	0.10	0.25			
J		0.006		0.15			

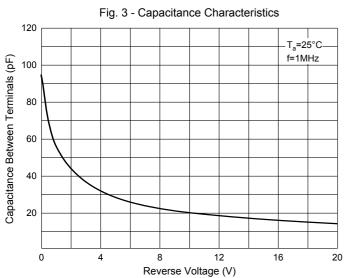
Suggested Solder Pad Layout

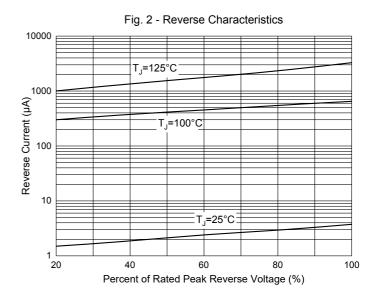


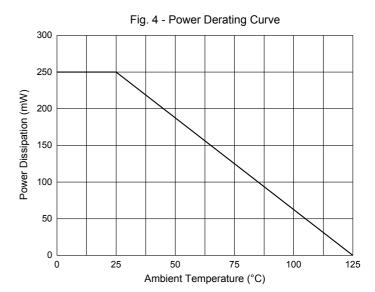


Curve Characteristics











Ordering Information

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

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