

Features

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

Maximum Ratings

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

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
B0540W	R41	40V	28V	40V

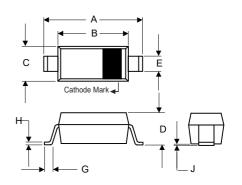
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	0.5A	
Peak Forward Surge Current	I _{FSM}	5.5A	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	80µA	T _J =25°C
Typical Junction Capacitance	CJ	30pF	Measured at 1.0MHz,V _R =4.0 V
Power Dissipation	P _D	410mW	

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

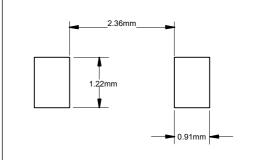
0.5 Amp Schottky Rectifier 40 Volts





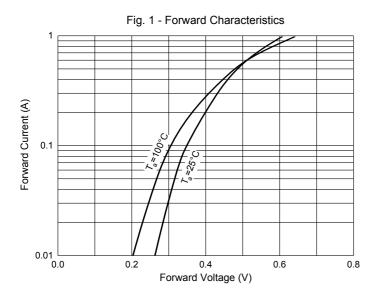
DIMENSIONS							
DIM	INCHES		MM		NOTE		
DIIVI	MIN	MAX	MIN	MAX	NOTE		
Α	0.140	0.152	3.55	3.85			
В	0.100	0.112	2.55	2.85			
С	0.055	0.071	1.40	1.80			
D		0.053		1.35			
Е	0.018	0.026	0.45	0.65			
G	0.006		0.15				
Н		0.010		0.25			
J		0.006		0.15			

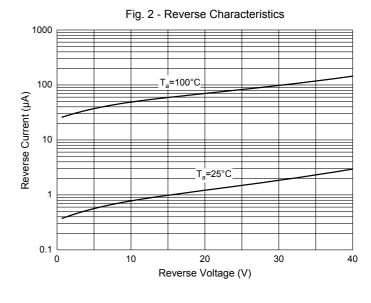
Suggested Solder Pad Layout

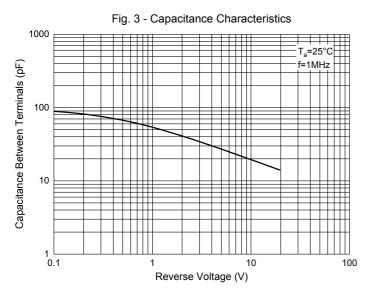


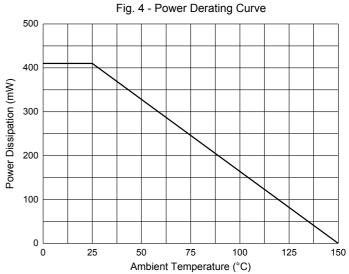


Curve Characteristics











Ordering Information

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

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