

Features

- Halogen Free. "Green" Device (Note 1)
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)
- Small Surface Mounting Type
- Low Reverse Current And Low Forward Voltage
- High Reliability
- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Operating Junction Temperature Range: 125°C
- Storage Temperature Range: -40°C to +125°C
- Thermal Resistance:500°C/W Junction to Ambient

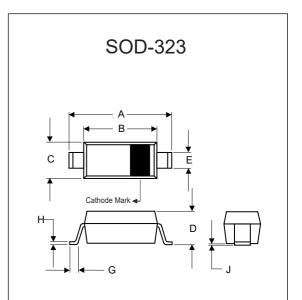
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	RMS Reverse Voltage VR(RMS)	Maximum DC Blocking Voltage
RB500V-40	2	45V	32V	45V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Mean Rectifying Current	I _o	100mA	
Peak Forward Surge Current	I _{FSM}	1A	
Forward Voltage	V_{F}	0.45V(Max)	I _F =10mA;
Reverse Current	I _R	1µA(Max)	V _R =10V
Capacitance Terminal	C _T	6.0pF(Typ)	V _R =10V, f=1MHz

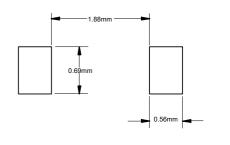
Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

0.1 Amp Schottky Barrier Rectifier 45 Volts



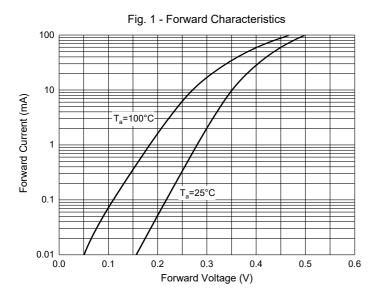
DIMENSIONS						
DIM	INCHES		MM		NOTE	
	MIN	MAX	MIN	MAX	NOTE	
Α	0.090	0.107	2.30	2.70		
В	0.063	0.071	1.60	1.80		
С	0.045	0.053	1.15	1.35		
D	0.031	0.045	0.80	1.15		
E	0.010	0.016	0.25	0.40		
G	0.004	0.018	0.10	0.45		
Н	0.004	0.010	0.10	0.25		
J		0.006		0.15		

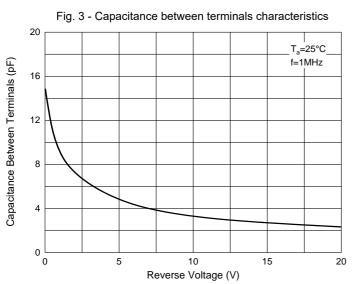
Suggested Solder Pad Layout

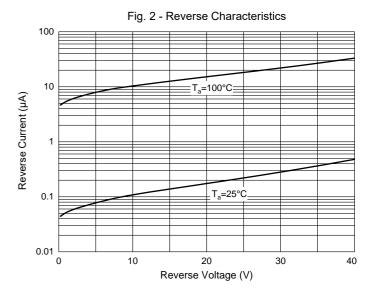


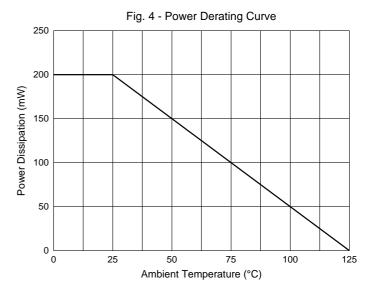


Curve Characteristics











Ordering Information

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

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