

Features

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

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +125°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance:667°C/W Junction to Ambient

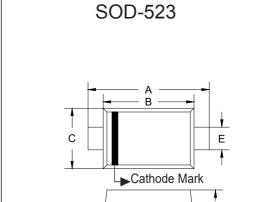
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum	Maximum DC Blocking Voltage
RB521S-40	S	40V	28V	40V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Non-repetitive peak reverse voltage	V _{RM}	45V	
Average Rectified Output Current	I _O	200mA	
Non-repetitive Peak Forward Surge Current	I _{FSM}	1A	t=8.3ms
Power Dissipation	P _D	150mW	
	V _F	0.16V(Min) 0.30V(Max)	I _F =10mA;
Forward Voltage		0.31V(Min) 0.45V(Max)	I _F =100mA;
		0.38V(Min) 0.54V(Max)	I _F =200mA;
Reverse Current	I _R	20μA(Max) 90μA(Max)	V _R = 10V V _R = 40V
Reverse Breakdown Voltage	V _(BR)	40V(Min)	I _R =100μA

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

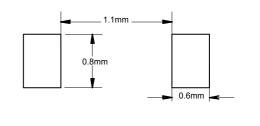
200 mA Schottky Barrier Diode 40 Volts



DIMENSIONS							
DIM	INCHES		MM		NOTE		
DIIVI	MIN	MAX	MIN	MAX	NOTE		
Α	0.059	0.067	1.50	1.70			
В	0.043	0.051	1.10	1.30			
С	0.030	0.033	0.75	0.85			
E	0.010	0.014	0.25	0.35			
F	0.003	0.008	0.08	0.20			
G	0.020	0.026	0.50	0.65			

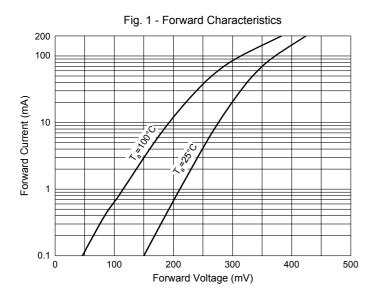
G

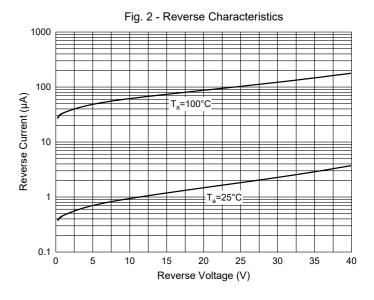
Suggested Solder Pad Layout

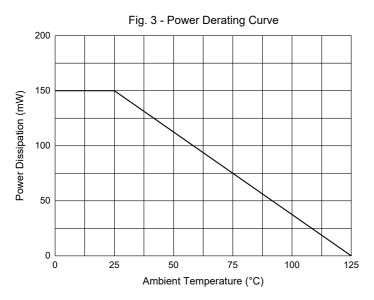




Curve Characteristics







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Ordering Information

Device	Packing	
Part Number-TP	Tape&Reel: 8Kpcs/Reel	
Part Number-T3P	Tape&Reel: 3Kpcs/Reel	

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