

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 Available Upon Request By Adding Suffix "-HF"

Maximum Ratings

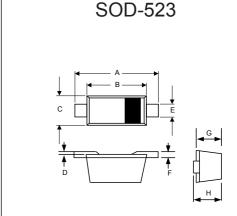
- Operating Junction Temperature Range: -55°C to +125°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance: 667°C/W Junction to Ambient

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum DC Blocking Voltage
RB520S-40	D1	40V	40V

Electrical Characteristics @ 25°C Unless Otherwise Specified

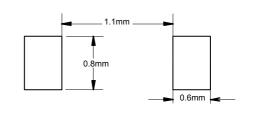
Mean Rectifying Current	Io	200mA	
Peak Forward Surge Current	I _{FSM}	1A	t=8.3ms
Power Dissipation	P _D	150mW	
Forward Voltage	V _F	0.30V(Typ) 0.39V(Max) 0.45V(Typ) 0.55V(Max)	I _F =10mA; I _F =100mA;
Reverse Current	I _R	0.6μA(Typ) 1.0μA(Max) 2.8μA(Typ) 10μA(Max)	$V_R = 10V$ $V_R = 40V$

200 mA Schottky Barrier Diode 40 Volts



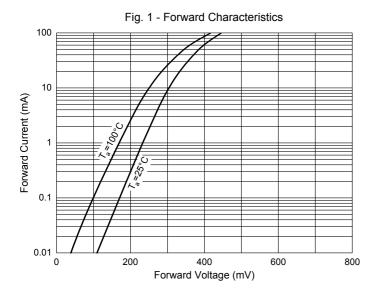
DIMENSIONS						
DIM	INCHES		MM		NOTE	
	MIN	MAX	MIN	MAX	NOIE	
Α	0.059	0.067	1.50	1.70		
В	0.043	0.051	1.10	1.30		
С	0.030	0.033	0.75	0.85		
D	0.001	0.003	0.01	0.07		
Е	0.010	0.014	0.25	0.35		
F	0.003	0.006	0.08	0.15		
G	0.020	0.028	0.50	0.70		
Н	0.020	0.031	0.51	0.77		

Suggested Solder Pad Layout





Curve Characteristics



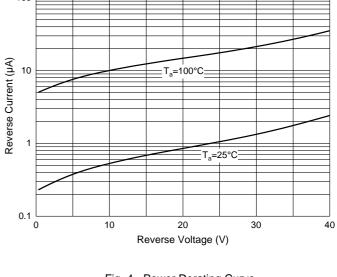
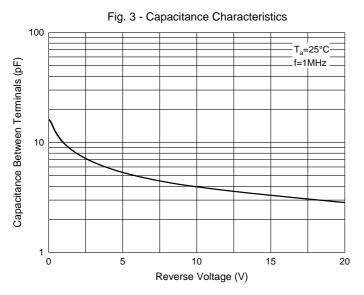
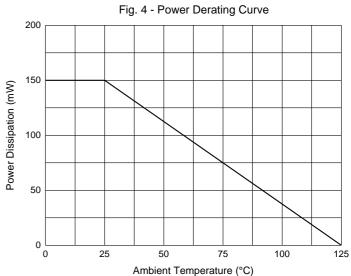


Fig. 2 - Reverse Characteristics







Ordering Information

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

Note: Adding "-HF" Suffix For Halogen Free, eg. Part Number-TP-HF

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