

Features

- Epoxy Meets UL 94 V-0 Flammability Rating
- AEC-Q101 Qualified
- 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

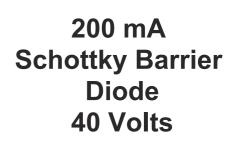
- Operating Junction Temperature Range: -55°C to +125°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance:667°C/W Junction to Ambient

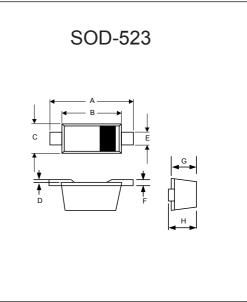
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
RB521S-40HE3	S	40V	28V	40V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Non-repetitive peak reverse voltage	V _{RM}	45V	
Average Rectified Output Current	Ι _Ο	200mA	
Non-repetitive Peak Forward Surge Current	I _{FSM}	1A	t=8.3ms
Power Dissipation	P_D	150mW	
Forward Voltage	V_{F}	0.59V(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)	Ι _R =100μΑ

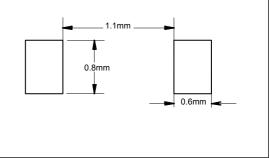
Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.





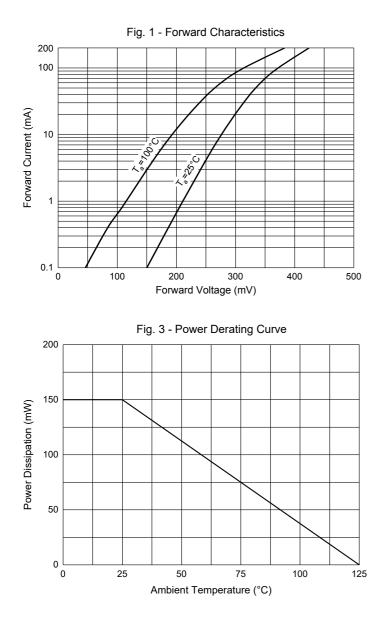
DIMENSIONS						
DIM	INCHES		MM		NOTE	
	MIN	MAX	MIN	MAX	NOTE	
A	0.059	0.067	1.50	1.70		
В	0.043	0.051	1.10	1.30		
С	0.030	0.033	0.75	0.85		
D	0.000	0.003	0.00	0.07		
E	0.010	0.014	0.25	0.35		
F	0.003	0.008	0.08	0.20		
G	0.020	0.026	0.50	0.65		
Н	0.020	0.026	0.50	0.65		

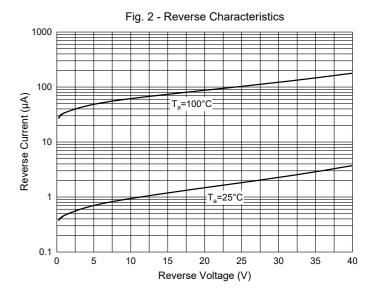
Suggested Solder Pad Layout





Curve Characteristics









Ordering Information

Device	Packing	
RB521S-40HE3-TP	Tape&Reel: 8Kpcs/Reel	

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