

Features

- Halogen Free. "Green" Device (Note 1)
- Low Voltage Rectification
- Low Forward Voltage Drop
- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisture Sensitivity Level 1
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +125°C
- Storage Temperature Range: -55°C to +150°C
- Maximum Thermal Resistance: 400°C/W Junction to Ambient

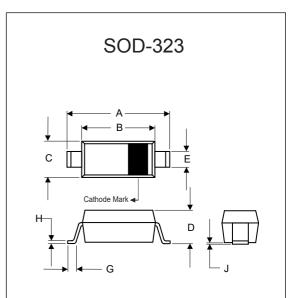
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	iviaximum	Maximum DC Blocking Voltage
SMD22WS	SH	20V	14V	20V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	2.0A			
Peak Forward Surge Current	I _{FSM}	9A	8.3ms Half Sine		
Maximum Instantaneous Forward Voltage	V _F	0.45V 0.55V	I _F =1.0A; I _F =2.0A;		
Reverse Breakdown Voltage	V _(BR)	20V(min)	I _R = 1.0mA;		
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R	80μA 100μA	V _R = 10V V _R = 20V		
Typical Junction Capacitance	CJ	120pF	Measured at 1.0MHz , V _R =4.0V		

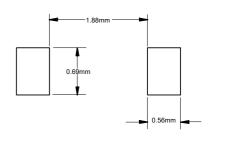
Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

2 Amp Schottky Barrier Rectifier 20 Volts



DIMENSIONS							
DIM	INCHES		MM		NOTE		
DIIVI	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

Fig. 1 - Typical Instantaneous Forward Characteristics

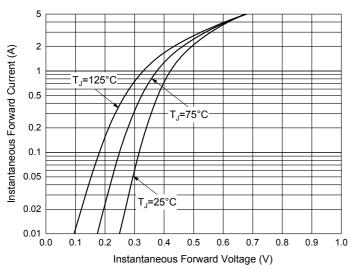


Fig. 3 - Power Derating Curve

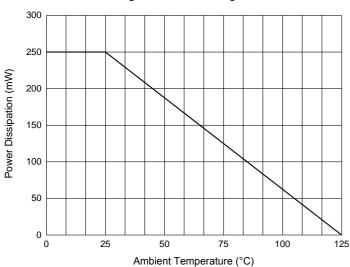
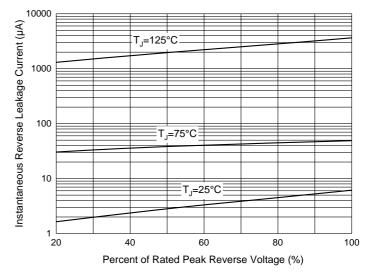


Fig. 2 - Typical Reverse Leakage Characteristics





Ordering Information

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

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