

Features

- Fast Switching Speed
- High Conductance
- Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating
- Halogen Free. "Green" Device (Note 1)
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings

- Operating Junction Temperature Range: -65°C to +150°C
- Storage Temperature Range: -65°C to +150°C
- Thermal Resistance: 625°C/W Junction to Ambient

MCC Part Number	Device Marking
1N4448WX	T5

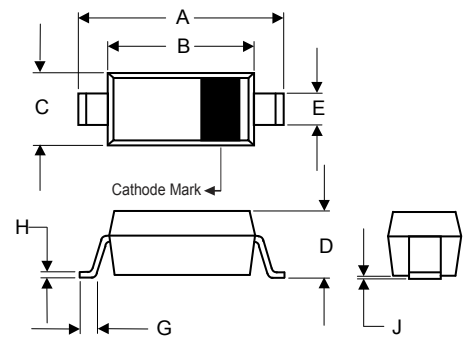
Parameter	Symbol	Value
Non-Repetitive Peak Reverse Voltage	V_{RM}	100V
DC Reverse Voltage	V_R	75V
Peak Repetitive Reverse Voltage	V_{RRM}	75V
Working Inverse Voltage	V_{RWM}	75V
RMS Reverse Voltage	$V_{R(RMS)}$	53V
Forward Continuous Current ^(Note 2)	I_{FM}	500mA
Average Forward Current	$I_{F(AV)}$	250mA
Peak Forward Surge Current (t=1s) (t=1μs)	I_{FSM}	2A 4A
Power Dissipation	P_D	200mW

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

Note: 2. Valid Provided that Terminals are Kept at Ambient Temperature

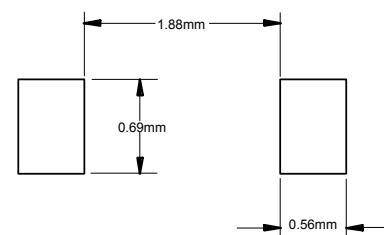
200mW High Speed Switching Diode

SOD-323



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	0.090	0.107	2.30	2.70	
B	0.063	0.071	1.60	1.80	
C	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	
H	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

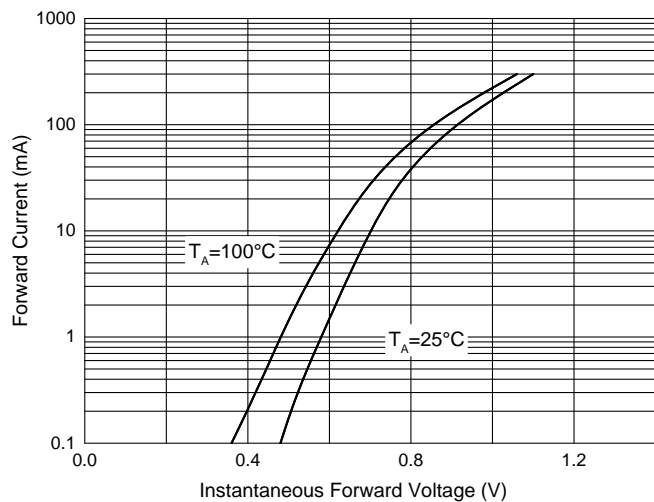


Fig. 2 - Typical Reverse Leakage Characteristics

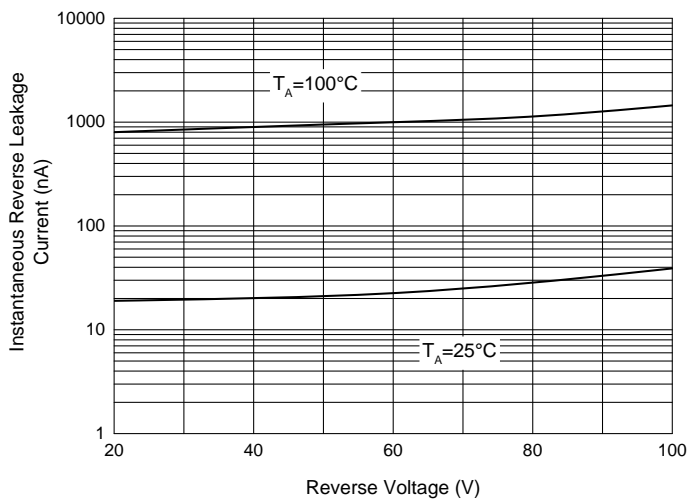
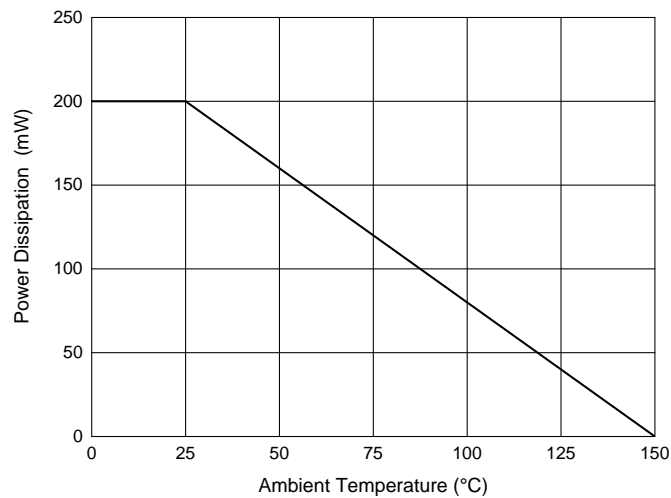


Fig. 3 - Power Derating Curve



Ordering Information

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

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