Features

- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix Designates Compliant. See Ordering Information)
- Halogen Free. “Green” Device (Note 2)
- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisture Sensitivity Level 1

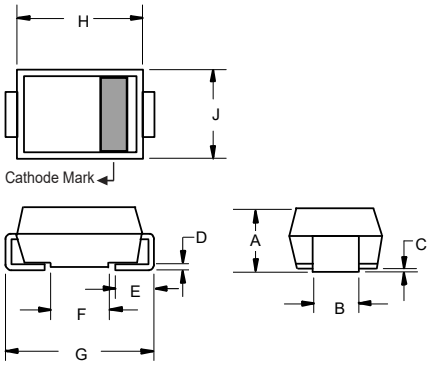
2 Amp Super Fast Recovery Rectifier 200 Volts

Maximum Ratings

- Operating Junction Temperature Range: -65ºC to +175ºC
- Storage Temperature Range: -65^{0}C to +175^{0}C
- Typical Thermal Resistance: 13°C/W Junction to Lead

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MURS2D	MURS2D	200V	140V	200V

SMB (DO-214AA)

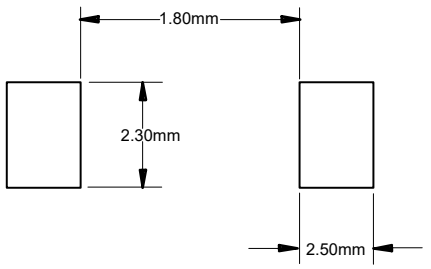


DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.079	0.103	2.00	2.62	
B	0.075	0.087	1.91	2.21	
C	0.002	0.008	0.05	0.20	
D	0.006	0.012	0.15	0.31	
E	0.030	0.060	0.76	1.52	
F	0.065	0.091	1.65	2.32	
G	0.200	0.220	5.08	5.59	
H	0.160	0.191	4.06	4.85	
J	0.130	0.155	3.30	3.94	

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	2.0A	T_L=110ºC
Peak Forward Surge Current	I_{FSM}	50A	8.3ms,Half Sine
Maximum Instantaneous Forward Voltage	V_F	0.92V 0.77V	I_{FM}=2.0A, T_J=25ºC; I_{FM}=2.0A, T_J=150ºC
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	2.0μA 50μA	T_J=25ºC; T_J=150ºC
Maximum Reverse Recovery Time	T_{RR}	25ns 35ns	I_F=0.5A; I_R=1.0A, Irr=0.25A I_F=1.0A; di/dt = 50 A/μs

Solder Pad Layout



Note:
1. High Temperature Solder Exemptions Applied, See EU Directive Annex Notes 7a.
2. Halogen free "Green"products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

Curve Characteristics

Fig. 1 - Forward Current Derating Curve

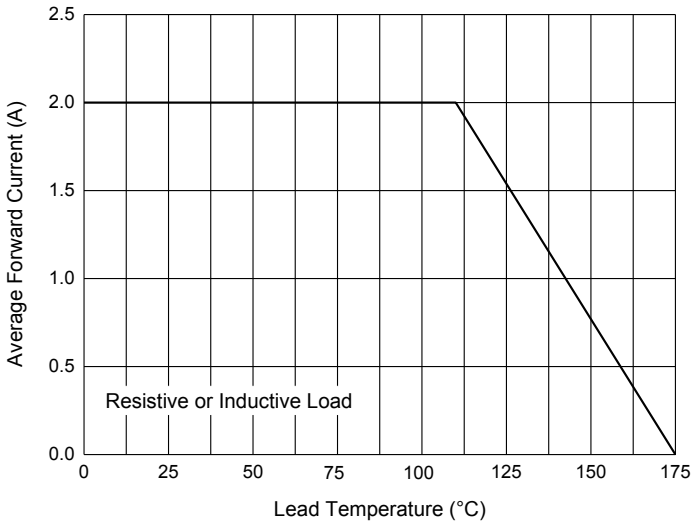


Fig. 2 - Maximum Non-Repetitive Peak Forward Surge Current

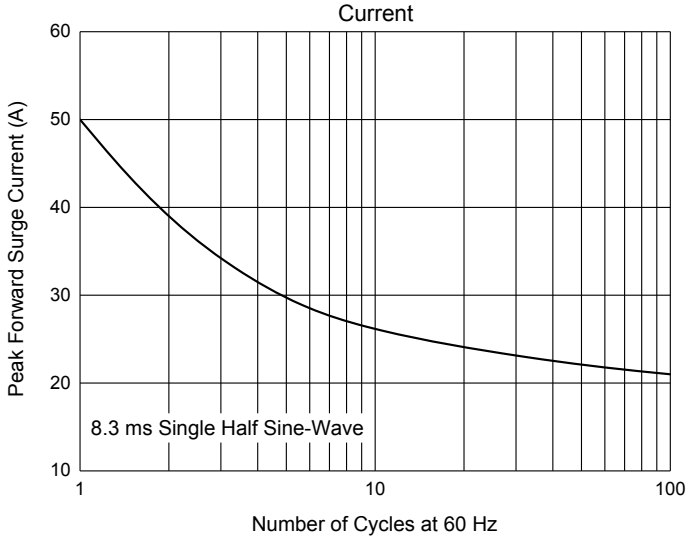


Fig. 3 - Typical Instantaneous Forward Characteristics

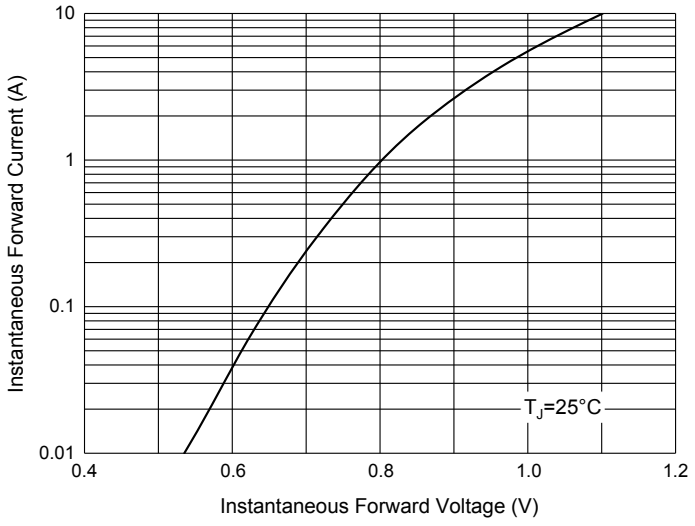
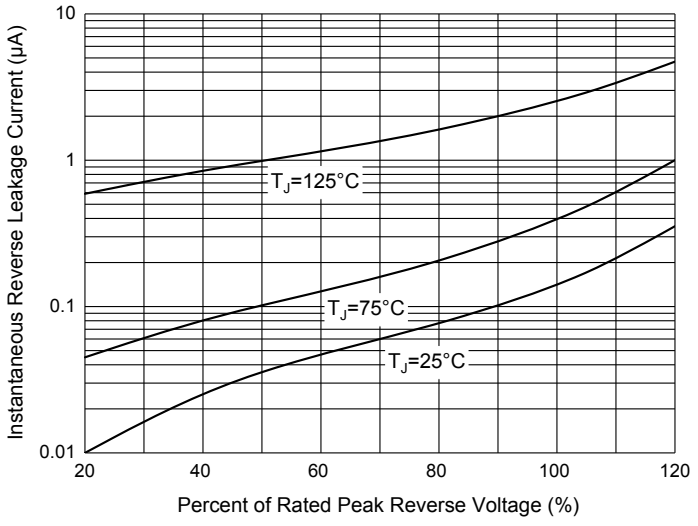


Fig. 4 - Typical Reverse Leakage Characteristics



Ordering Information

Device	Packing
MURS2D-TP	Tape&Reel: 3Kpcs/Reel

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