

Features

- Halogen Free. "Green" Device (Note 1)
- Lead Free Finish/RoHS Compliant (Note 2) ("P"Suffix Designates Compliant. See Ordering Information)
- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisture Sensitivity Level 1
- Low Switching Losses and High Efficiency
- Low Reverse Leakage
- Ultrafast Recovery Time

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +175°C
- Storage Temperature Range: -55°C to +175°C
- Maximum Thermal Resistance: 2°C/W Junction to Case

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MURSB1560	MURSB1560	600V	420V	600V

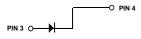
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Rectified Forward Current	I _{F(AV)}	15A	T _C = 125°C
Peak Forward Surge Current	I _{FSM}	180A	8.3ms,Half Sine
Maximum Instantaneous Forward Voltage	V _F	1.30V(Typ) 1.55V(Max) 1.25V(Max)	I _F =15A;T _J =25°C I _F =15A;T _J =25°C I _F =15A;T _J =125°C
Maximum Reverse Current At Rated DC Blocking Voltage	I _R	10μΑ 100μΑ	T _J =25⁰C; T _J =125⁰C
Maximum Reverse Recovery Time	t _{rr}	40ns	I _F =0.5A,I _R =1.0A I _{RR} =0.25A

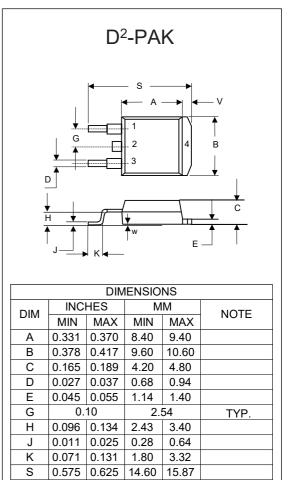
Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

2. High temperature solder exemption applied, see EU directive annex 7a.

Internal Structure



15 Amp FRED Rectifiers 600 Volts



Suggested Solder Pad Layout

1.07

0.00

1.47

0.25

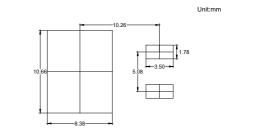
V

W

0.042

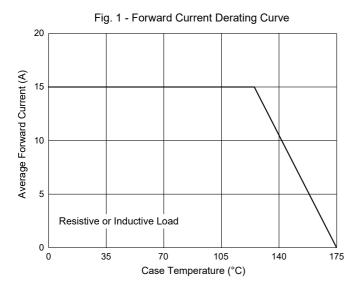
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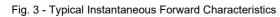
0.000 0.010

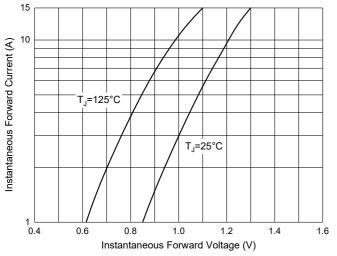


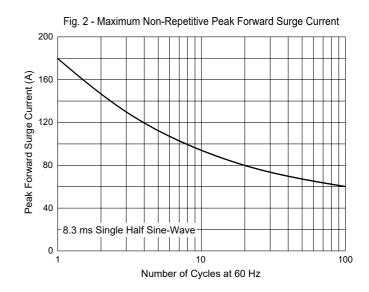


Curve Characteristics

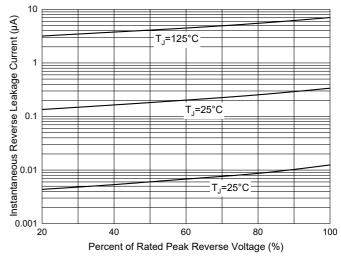














Ordering Information

Device	Packing	
Part Number-TP	Tape&Reel: 800pcs/Reel	
Part Number-BP	Tube: 5Kpcs/Ctn	

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