

Features

- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix Designates Compliant. See Ordering Information)
- Epoxy Meets UL 94 V-0 Flammability Rating
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- High Surge Forward Current Capability
- Super Fast Switching for High Efficiency
- Low reverse leakage

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +175°C
- Storage Temperature Range: -55°C to +175°C
- Typical 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 |
|--------------------|-------------------|---|---------------------------|-----------------------------------|
| MUR1560HS | MUR1560HS | 600V | 420V | 600V |

Electrical Characteristics @ 25°C Unless Otherwise Specified

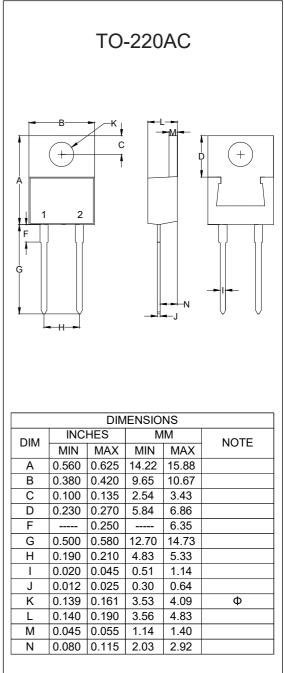
| Average Rectified Forward Current | I _{F(AV)} | 15A | T _C = 130°C |
|--|--------------------|--|--|
| Peak Forward Surge Current | I _{FSM} | 330A | 8.3ms,Half Sine |
| Maximum Instantaneous Forward Voltage | V _F | 1.25V(Typ) 1.50V(Max) 1.30V(Max) | I _F =15A;TJ=25°C I _F =15A;TJ=25°C I _F =15A;TJ=125°C |
| Maximum Reverse Current At Rated DC Blocking Voltage | I _R | 10µА 100µА | T _J =25⁰C; T _J =125⁰C |
| Maximum Reverse Recovery Time | t _{rr} | 50nS | I _F =0.5A; I _R =1.0A; I _{rr} =0.25A |

Note :1. High Temperature Solder Exemption Applied, See EU Directive Annex 7a.

Internal Structure

PIN 1 • CASE







Curve Characteristics

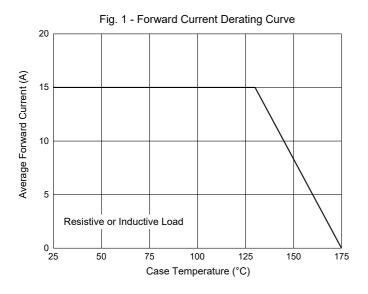
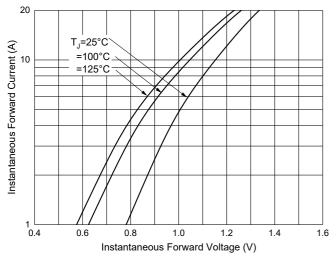


Fig. 3 - Typical Instantaneous Forward Characteristics



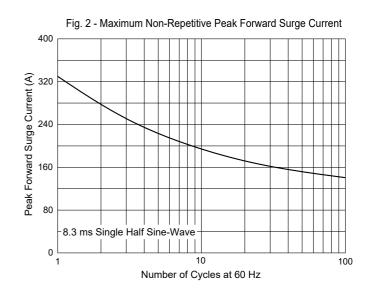
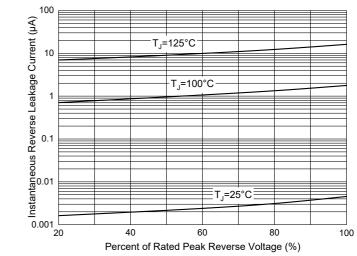


Fig. 4 - Typical Reverse Leakage Characteristics





Ordering Information

| Device | Packing | |
|----------------|--|--|
| Part Number-BP | Bulk:50pcs/Tube,1Kpcs/Box,5Kpcs/Carton | |

Note : Adding "-HF" Suffix For Halogen Free, eg. Part Number-BP-HF

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