

Features

- Halogen Free Available Upon Request By Adding Suffix "-HF"
- High Efficiency
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix Designates Compliant. See Ordering Information)
- Epoxy Meets UL 94 V-0 Flammability Rating

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Typical Thermal Resistance: 2.5°C/W Junction to Case

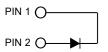
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MUR15120F		1200V	840V	1200V

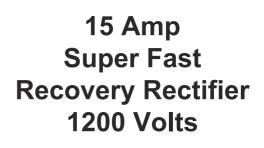
Electrical Characteristics @ 25°C Unless Otherwise Specified

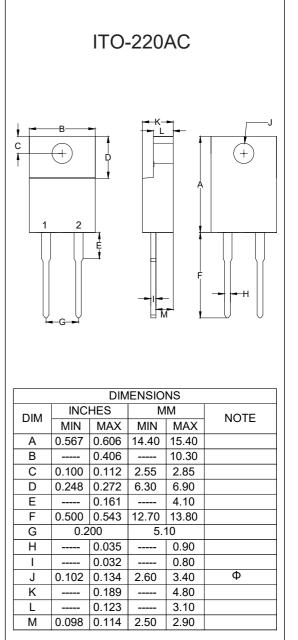
Average Rectified Forward Current (Rated VR-20Khz Square Wave) - 50% duty cycle	I _{F(AV)}	15A	T _C =110⁰C
Peak Forward Surge Current	I _{FSM}	110A	8.3ms,Half Sine Wave
Maximum Instantaneous Forward Voltage	V_{F}	2.2V(Typ) 2.7V(Max) 1.9V(Max)	I _F =15A ;T _J =25⁰C I _F =15A ;TJ=25ºC I _F =15A ;TJ=125ºC
Maximum Reverse Current At Rated DC Blocking Voltage	I _R	0.01mA 0.6mA	T _J =25°C; T _J =125°C
Maximum Reverse Recovery Time	t _{rr}	65ns	I _F =0.5A; I _R =1.0A; I _{REC} =0.25A

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

Internal Structure









Curve Characteristics

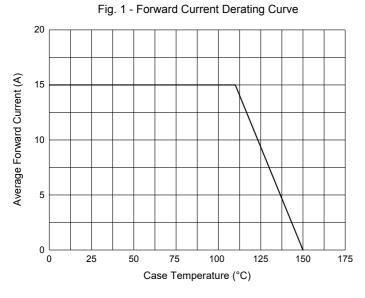
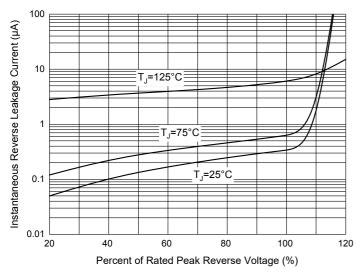


Fig. 3 - Typical Reverse Leakage Characteristics



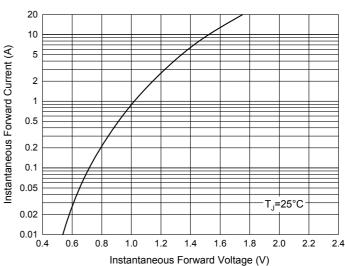


Fig. 2 - Typical Instantaneous Forward Characteristics



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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