Micro Commercial Components

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MUR15120F

15 Amp
Super Fast
Recovery Rectifier
1200 Volts

Features

- High efficiency
- Soft recovery characteristics
- Lead Free Finish/Rohs Compliant (Note1) ("P"Suffix designates Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C

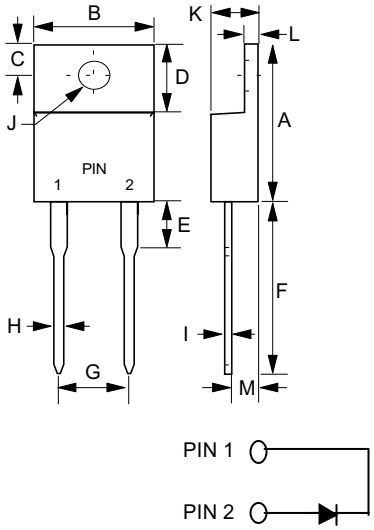
MCC Catalog Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MUR15120F	1200V	840V	1200V

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 = 110°C
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 = 25°C I_F = 15A T_J = 125°C
Maximum Reverse Current At Rated DC Blocking Voltage	I_R	0.01mA 0.6 mA	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

Notes:1.High Temperature Solder Exemption Applied,see EU Directive Annex Notes 7.

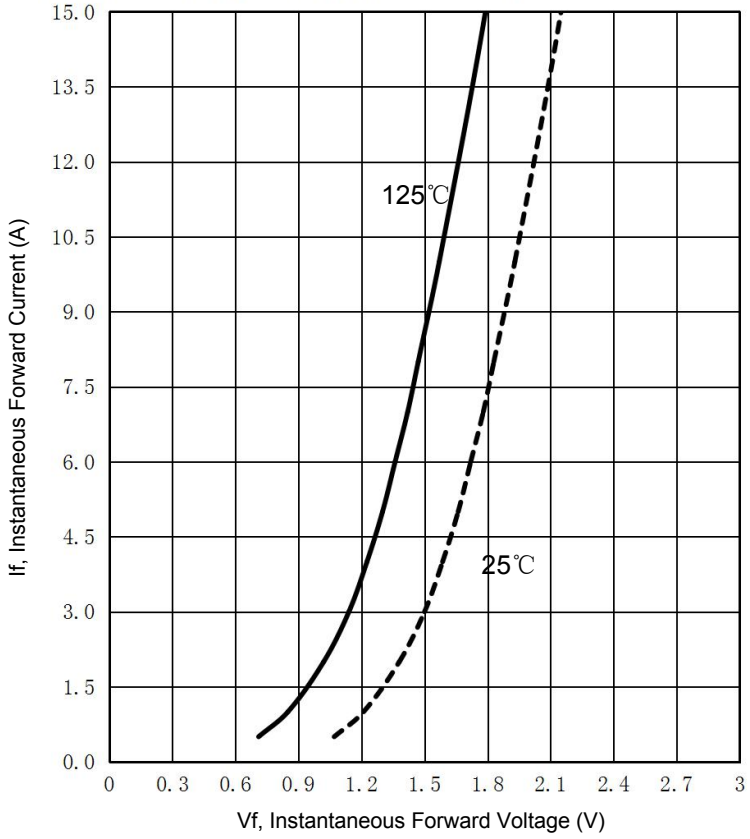
ITO-220AC



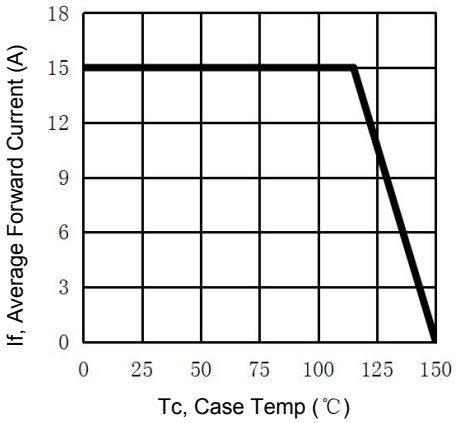
DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	
A	.567	.606	14.40	15.40	
B	---	.406	---	10.30	
C	.100	.112	2.55	2.85	
D	.248	.272	6.30	6.90	
E	---	.161	---	4.10	
F	.500	.543	12.70	13.80	
G	.200		5.10		
H	---	.035	---	0.90	
I	---	.032	---	0.80	
J	.102	.134	2.60	3.40	⌀
K	---	.189	---	4.80	
L	---	.123	---	3.10	
M	.098	.114	2.50	2.90	

Characteristic Curves

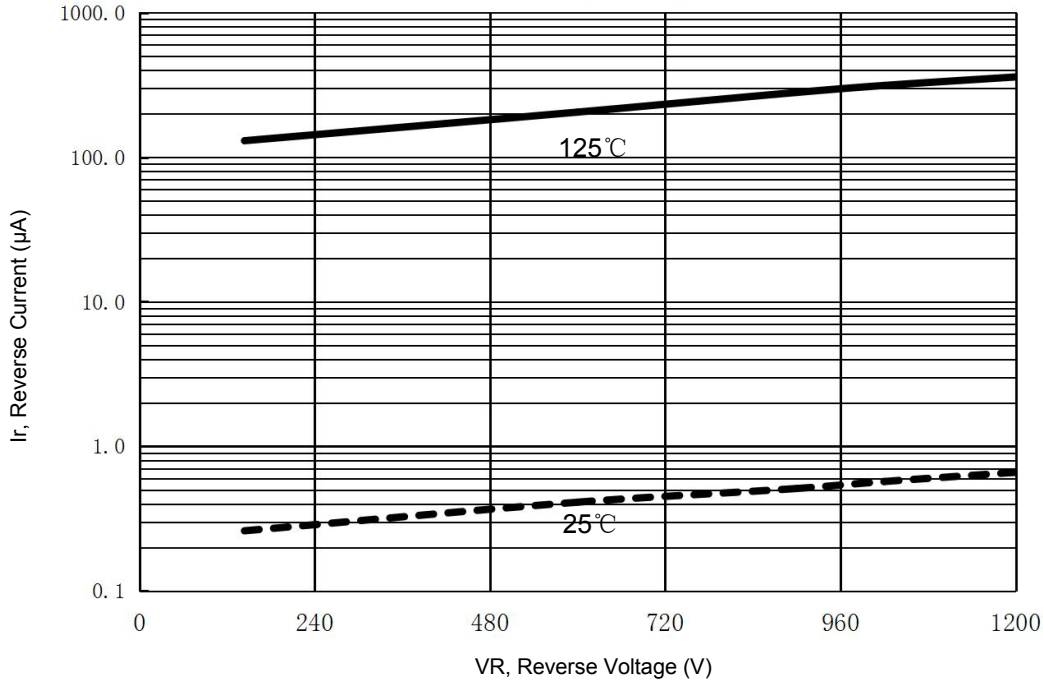
The forward voltage and forward current curve



Current derating curve, perelement



The reverse leak current and the reverse voltage (single-device) curve.



Ordering Information :

Device	Packing
(Part Number)-BP	Bulk;1Kpcs/Box

Note : Adding "-HF" suffix for halogen free, eg. Part Number-BP-HF

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