

Features

- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix Designates Compliant. See Ordering Information)
- High Junction Temperature Capability
- Low Leakage Current
- 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
- Thermal Resistance: 4°C/W Junction to Case
- Mounting Torgue: 5 in-lbs Maximum

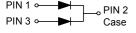
Р	MCC art Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
М	BR10150CT	MBR10150CT	150V	105V	150V

Electrical Characteristics @ 25°C Unless Otherwise Specified

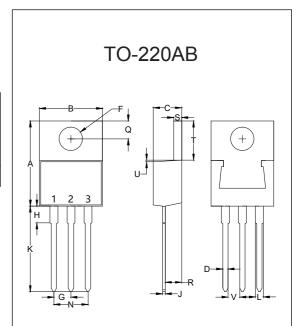
Average Forward Current	I _{F(AV)}	10A	T _C =125°C	
Peak Forward Surge Current	I _{FSM}	120A	8.3ms,half sine	
Maximum Instantaneous Forward Voltage	V _F	0.92V 0.75V	I _{FM} =5A T _J =25°C I _{FM} =5A T _J =125°C	
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	10µA 2mA	T _J =25°C T _J =125°C	

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

Internal Structure



10 Amp High Voltage Power Schottky Barrier Rectifier 150 Volts



	DIMENSIONS						
DIM	INCHES		MM		NOTE		
DIIVI	MIN	MAX	MIN	MAX	NOTE		
Α	0.560	0.625	14.22	15.88			
В	0.380	0.429	9.65	10.90			
С	0.140	0.201	3.56	5.10			
D	0.020	0.045	0.51	1.14			
F	0.131	0.170	3.34	4.31	Ф		
G	0.079	0.121	2.01	3.07			
Н		0.250		6.35			
J	0.011	0.025	0.28	0.64			
K	0.500	0.580	12.70	14.73			
L	0.045	0.060	1.14	1.52			
N	0.158	0.242	4.02	6.14			
Q	0.087	0.135	2.22	3.43			
R	0.080	0.126	2.04	3.19			
S	0.045	0.055	1.14	1.39			
Т	0.230	0.270	5.84	6.86			
U		0.050		1.27			
V	0.045		1.15				



Curve Characteristics

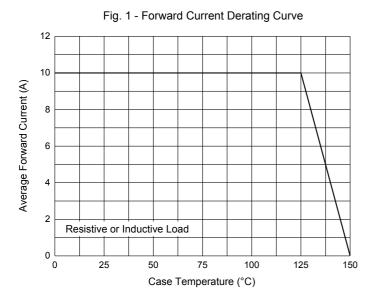
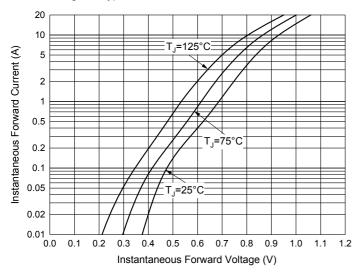


Fig. 3 - Typical Instantaneous Forward Characteristics



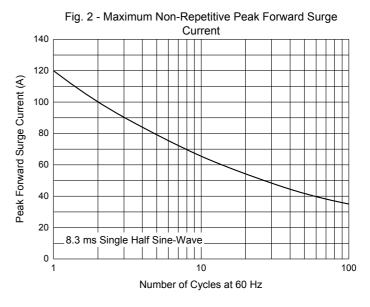
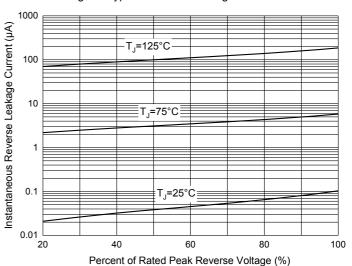


Fig. 4 - Typical Reverse Leakage Characteristics





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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