

Features

- High Surge Forward Current Capability
- Low Forward Voltage Drop
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix Designates RoHS 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
- Maximum Thermal Resistance : 2.0°C/W Junction to Case

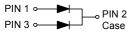
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRL2060CT	MBRL2060CT	60V	42V	60V

Electrical Characteristics @ 25°C Unless Otherwise Specified

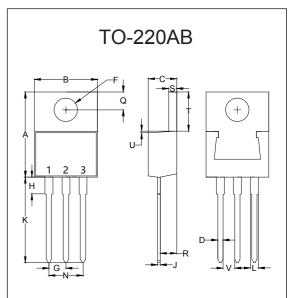
Average Forward Current	I _{F(AV)}	20A	T _C =125°C
Peak Forward Surge Current	I _{FSM}	150A	8.3ms,Half Sine
Current Squared Time	l²t	94A ² S	1ms≤t<8 .3ms T _J =25°C, Ratin g of Per Diode
Maximum Instantaneous Forward Voltage	V _F	0.60V	I _{FM} =10A; T _A =25°C
Peak Reverse Current	I _R	0.1mA 10mA	T _A =25°C; T _A =100°C

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

Internal Structure



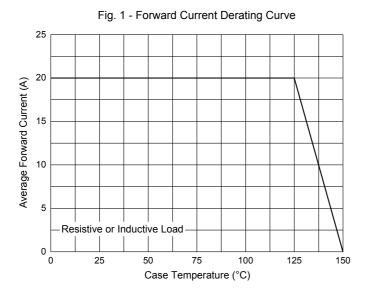
20 Amp Low VF Schottky Barrier Rectifier 60 Volts

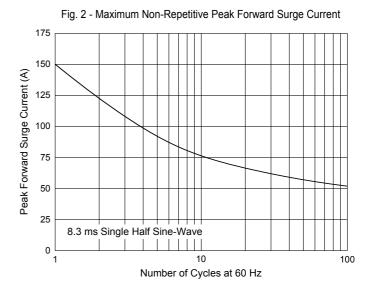


	DIMENSIONS						
DIM	INCHES		M	IM	NOTE		
DIIVI	MIN	MAX	MIN	MAX	NOTE		
Α	0.560	0.625	14.22	15.88			
В	0.380	0.429	9.65	10.90			
С	0.140	0.201	3.56	5.10			
D	0.020	0.045	0.51	1.14			
F	0.131	0.170	3.34	4.31	Ф		
G	0.079	0.121	2.01	3.07			
Н		0.250		6.35			
J	0.011	0.025	0.28	0.64			
K	0.500	0.580	12.70	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





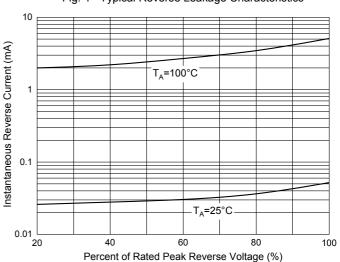


Fig. 4 - Typical Reverse Leakage Characteristics



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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