



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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MBR20120CT

Features

- **High Junction Temperature Capability**
- Low Leakage Current
- Marking: type number Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1

Maximum Ratings

- Operating Junction Temperature: 150°C
- Storage Temperature: -50°C to +150°C
- Per diode Thermal Resistance 2.2°C/W Junction to Case
- Mounting Torgue: 5 in-lbs Maximum

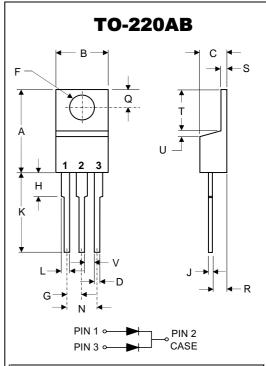
MCC	Maximum	Maximum	Maximum
Catalog	Recurrent RMS		DC
Number	Peak Reverse	Voltage	Blocking
	Voltage	-	Voltage
MBR 20120 CT	120 V	84V	120 V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	20 A	T _C = 120°C
Peak Forward Surge Current	I _{FSM}	150A	8.3ms,half sine wave
Maximum Instantaneous Forward Voltage	V_{F}	.83 V	I _{FM} = 10A T _J = 25°C
Maximum Reverse Current At Rated DC Blocking	I _R	500uA 25mA	T」= 25°C T」= 125°C

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

20 Amp High Voltage Power Schottky **Barrier Rectifier** 120Volts



DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.560	.625	14.22	15.88	
В	.380	.420	9.65	10.67	
С	.140	.190	3.56	4.82	
D	.020	.045	0.51	1.14	
F	.139	.161	3.53	4.09	Ø
G	.190	.110	2.29	2.79	
Н		.250		6.35	
J	.012	.025	0.30	0.64	
K	.500	.580	12.70	14.73	
L	.045	.060	1.14	1.52	
N	.190	.210	4.83	5.33	
Q	.100	.135	2.54	3.43	
R	.080	.115	2.04	2.92	
S	.045	.055	1.14	1.39	
T	.230	.270	5.84	6.86	
U		.050		1.27	
V	.045		1.15		



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Figure 1
Typical Forward Characteristics

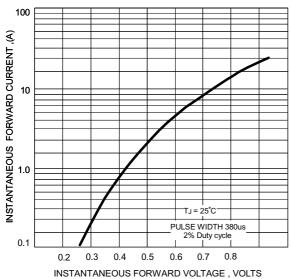
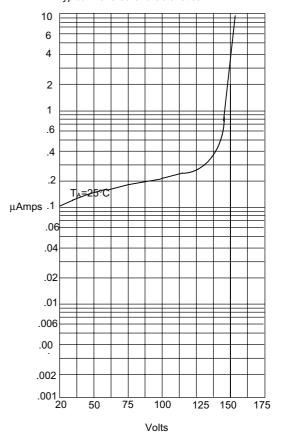
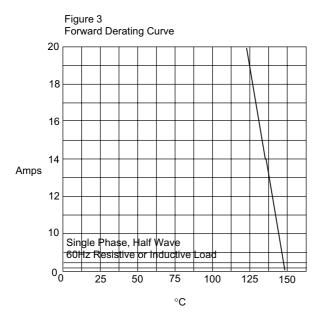


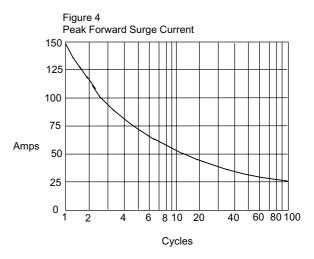
Figure 2 **Micro Commercial Components** Typical Reverse Characteristics



Instantaneous Reverse Leakage Current - MicroAmperesersus
Percent Of Rated Peak Reverse Voltage - Volts



Average Forward Rectified Current - Amperes/ersus Case Temperature - $^{\circ}$ C



Peak Forward Surge Current - Amperesversus Number Of Cycles At 60Hz - Cycles



Ordering Information

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

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