

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 (818) 701-4939 Fax:

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

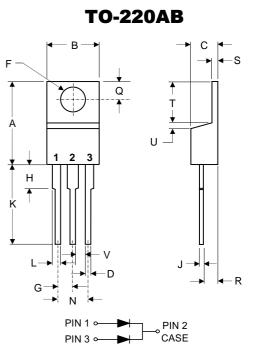
Maximum Ratings

- Operating Junction Temperature : 150°C •
- Storage Temperature: 50°C to +150°C
- Per diode Thermal Resistance 2.2°C/W Junction to Case
- Mounting Torque: 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	

MBR20120CT

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



DIMENSIONS							
		HES	MM				
DIM	MIN	MAX	MIN	MAX	NOTE		
A	.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			
К	.500	.580	12.70	14.73			
L	.045	.060	1.14	1.52			
Ν	.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			
Т	.230	.270	5.84	6.86			
U		.050		1.27			
V	.045		1.15				

Electrical Characteristics @ 25°C Unless Otherwise Specified

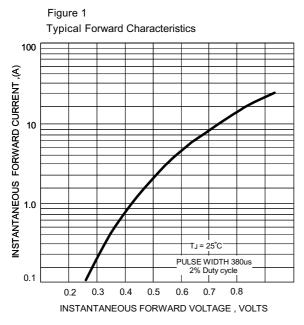
Average Forward Current	$I_{F(AV)}$	20 A	T _C = 120°C
Peak Forward Surge Current	I _{FSM}	150A	8.3ms,half sine wave
Maximum Instantaneous Forward Voltage			
	V_{F}	.83 V	I _{FM} = 10A TJ = 25°C
Maximum Reverse Current At Rated DC Blocking	I _R	500uA 25mA	T」= 25°C T」= 125°C

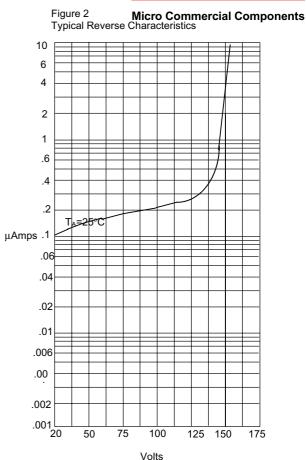
Notes:1.High Temperature Solder Exemption Applied, see EU Directive Annex 7.

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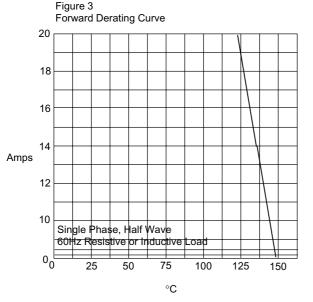


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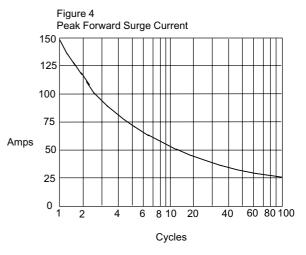




Instantaneous Reverse Leakage Current - MicroAmperesersus Percent Of Rated Peak Reverse Voltage - Volts



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



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

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Ordering Information

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

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