imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





Micro Commercial Components



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

Features

- Guard ring for transient protection
- Low Forward Voltage Drop
- Halogen free available upon request by adding suffix "-HF"
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Marking : type number
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)

- Maximum Ratings Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance: 2.0°C/W Junction to Case

MCC	Maximum	Maximum	Maximum			
	Recurrent	RMS	DC			
Number	Peak Reverse	Voltage	Blocking			
	Voltage	_	Voltage			
MBRB2020CT	20V	14V	20V			
MBRB2030CT	30V	21V	30V			
MBRB2035CT	35V	24.5V	35V			
MBRB2040CT	40V	28V	40V			
MBRB2045CT	45V	31.5V	45V			
MBRB2060CT	60V	42V	60V			
MBRB2080CT	80V	56V	80V			
MBRB20100CT	100V	70V	100V			

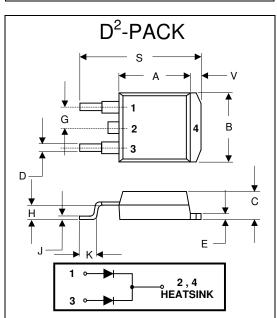
Electrical Characteristics @25°C Unless Otherwise Specified

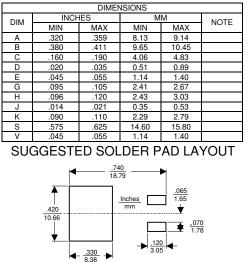
Average Forward Current	I _{F(AV)}	20 A	$T_A = 125^{\circ}C$
Peak Forward Surge	FSM	150A	8.3ms, half sine
Current			
Maximum			
Instantaneous			
Forward Voltage			
2020CT-2045CT	VF	.84V	I _{FM} = 20A;
202001 204301 2060CT	۷F	.80V	
2080CT-20100CT		.80 v .85V	$I_{FM} = 10 \text{ A}$
208001-2010001		.05 v	T _A = 25°C
Maximum DC			
Reverse Current At			
Rated DC Blocking			
Voltage			
2020CT-2045CT	I _B	0.1mA	T _A = 25°C
2060CT-20100CT	- 11	0.15mA	10 - 20 0
200001 2010001		0.1011/1	

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

MBRB2020CT THRU **MBRB20100CT**

20 Amp Schottky **Barrier Rectifier** 20 to 100 Volts





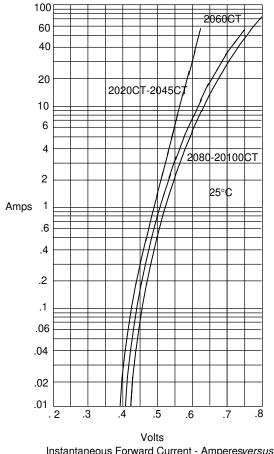
www.mccsemi.com

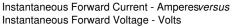


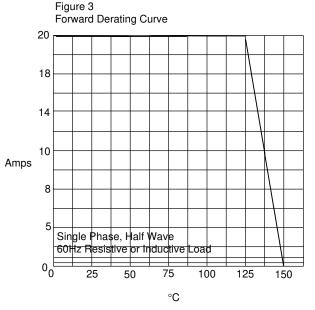
MBRB2020CT thru MBRB20100CT

Figure 1

Typical Forward Characteristics

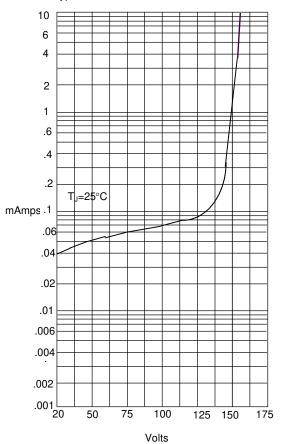




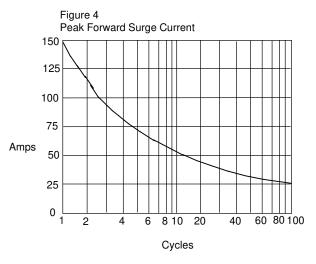


Average Forward Rectified Current - Amperes/ersus Ambient Temperature $\ \ \ \circ C$

Figure 2 Micro Commercial Components Typical Reverse Characteristics



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



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

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Ordering Information :

Device	Packing	
Part Number-TP	Tape&Reel: 800pcs/Reel	
Part Number-BP	Tube: 1 Kpcs/Box	

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

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