查询MBR30045CT供应商 捷多邦，专业PCB打样工厂，24小时加急出货

·M·C·C·

Micro Commercial Components
21201 Itasca Street Chatsworth
CA 91311
Phone: (818) 701-4933
Fax: (818) 701-4939

MBR30020CT THRU MBR300100CT

300 Amp Schottky Barrier Rectifier 20 to 100 Volts

Features

- Metal of siliconrectifier, majonty carrier conducton
- Guard ring for transient protection
- Low power loss high efficiency
- High surge capacity, High current capability

Maximum Ratings

- Operating Temperature: -65°C to +150°C
- Storage Temperature: -65°C to +150°C

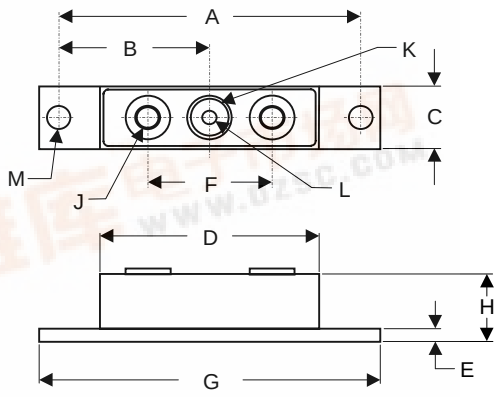
MCC Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBR30020CT	20V	14V	20V
MBR30030CT	30V	21V	30V
MBR30035CT	35V	24.5V	35V
MBR30040CT	40V	28V	40V
MBR30045CT	45V	31.5V	45V
MBR30060CT	60V	42V	60V
MBR30080CT	80V	56V	80V
MBR300100CT	100V	70V	100V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	300 A	T_L = 140°C
Peak Forward Surge Current	I_{FSM}	2500A	8.3ms, half sine
Maximum Instantaneous Forward Voltage 30020-30045CT 30060CT 30080-300100CT	V_F	 .63 V .75 V .84 V	I_{FM} = 150 A; T_A = 25°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	8 mA	T_A = 25°C
Typical Junction Capacitance	C_J	300pF	Measured at 1.0MHz, V_R=4.0V

*Pulse Test: Pulse Width 300µsec, Duty Cycle 1%

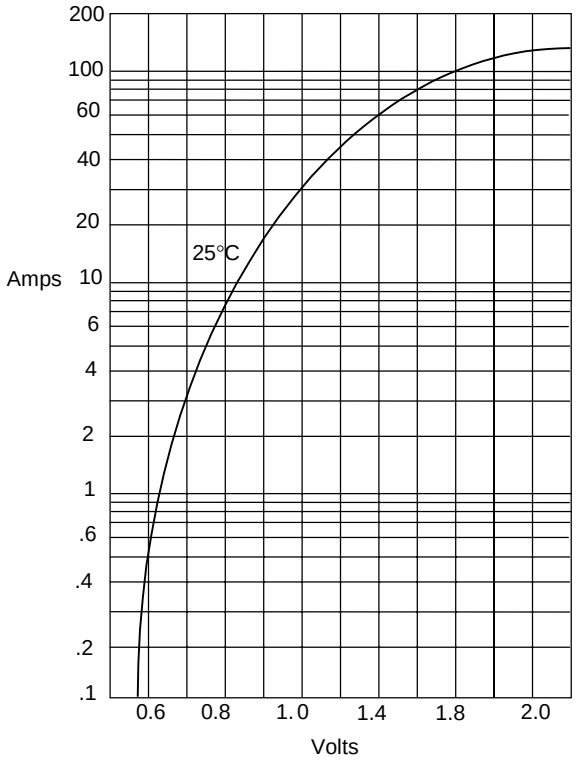
FULL PACK



DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
A	3.150	NOM	80.01	NOM	
B	1.565	1.585	39.75	40.26	
C	.700	.800	17.78	20.32	
E	.119	.132	3.02	3.35	
F	1.375	REF	34.92	REF	
G	3.55	3.65	90.17	92.71	
H	.590	.620	14.99	15.75	
J	1/4 -	UNF	FULL		
K	.380	.410	9.65	10.41	∅
L	.185	.195	4.70	4.95	∅
L	.275	.295	6.99	7.49	∅

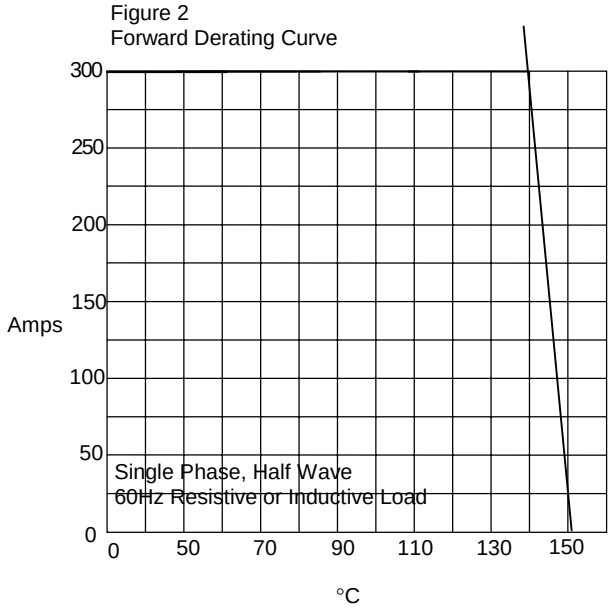
找PDF 上pdf.dzsc.com

Figure 1
Typical Forward Characteristics



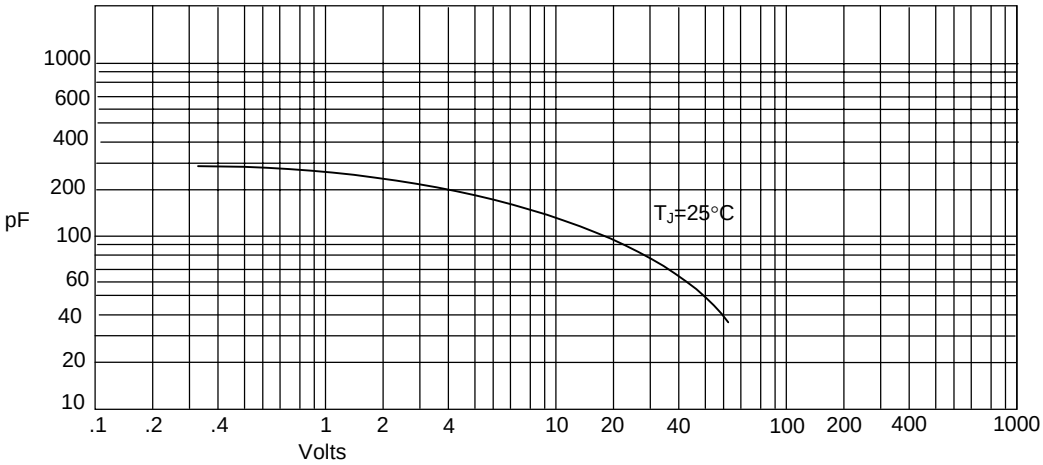
Instantaneous Forward Current - Amperes *versus*
Instantaneous Forward Voltage - Volts

Figure 2
Forward Derating Curve



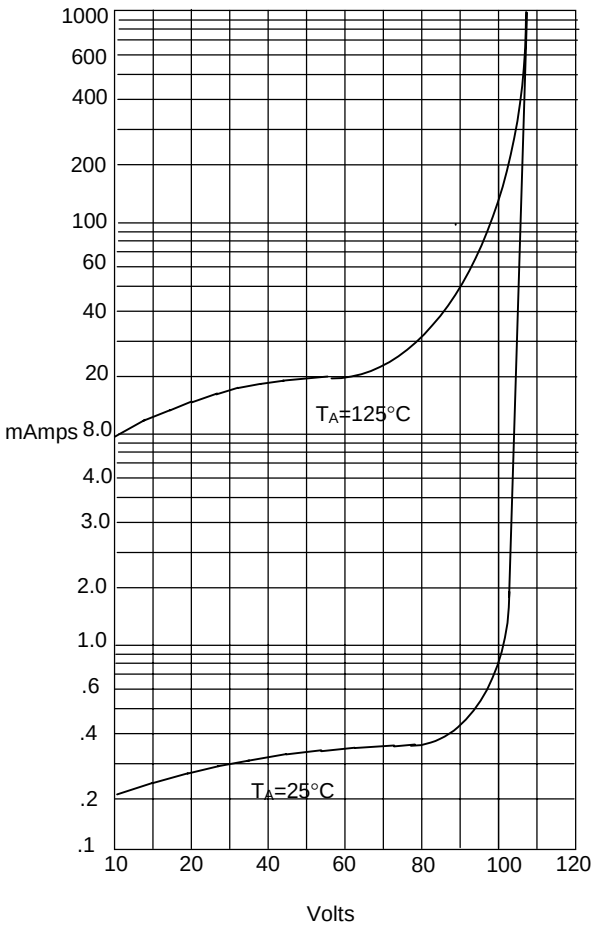
Average Forward Rectified Current - Amperes *versus*
Ambient Temperature - °C

Figure 3
Junction Capacitance



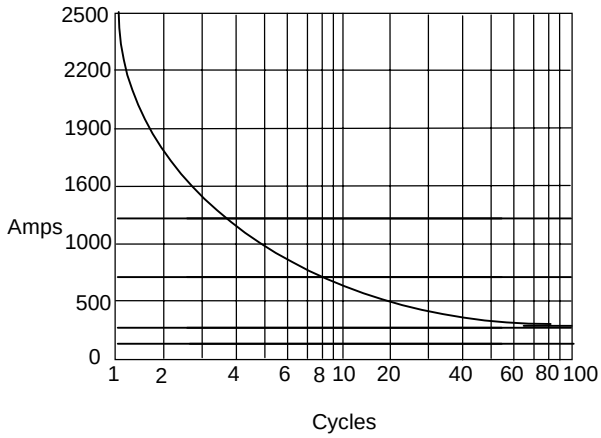
Junction Capacitance - pF *versus*
Reverse Voltage - Volts

Figure 4
Typical Reverse Characteristics



Instantaneous Reverse Leakage Current - MicroAmperes *versus*
Percent Of Rated Peak Reverse Voltage - Volts

Figure 5
Peak Forward Surge Current



Peak Forward Surge Current - Amperes *versus*
Number Of Cycles At 60Hz - Cycles