

**MBR20020CT
THRU
MBR200100CT**

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

Maximum Ratings

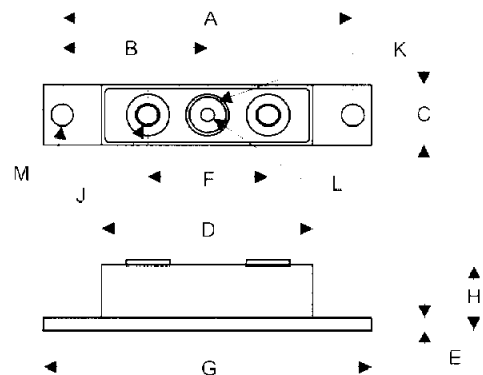
- Operating Temperature: -55°C to +175°C
- Storage Temperature: -55°C to +175°C

MCC Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBR20020CT	20V	14V	20V
MBR20030CT	30V	21V	30V
MBR20035CT	35V	24.5V	35V
MBR20040CT	40V	28V	40V
MBR20045CT	45V	31.5V	45V
MBR20060CT	60V	42V	60V
MBR20080CT	80V	56V	80V
MBR200100CT	100V	70V	100V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	200 A	$T_C = 136^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	1500A	8.3ms, half sine
Maximum Instantaneous Forward Voltage 20020-20045CT 20060CT 20080-200100CT	V_F	.68 V .75 V .84 V	$I_{FM} = 100 \text{ A};$ $T_J = 25^\circ\text{C}$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	5 mA 75 mA	$T_J = 25^\circ\text{C}$ $T_J = 125^\circ\text{C}$
Typical Junction Capacitance	C_J	4600pF	Measured at 1.0MHz, $V_R=5.0\text{V}$

FULL PACK



D.M.	INCHES		MM		NOTE
	MIN.	MAX.	MIN.	MAX.	
A	3.150	NOM	80.01	NOM	
B	1.585	1.585	39.75	40.26	
C	.760	.803	17.78	20.32	
D	2.400	2.500	60.96	63.50	
E	.119	.132	3.02	3.35	
F	1.375	REF	34.92	REF	
G	3.550	3.650	90.17	92.71	
H	.580	.620	14.73	15.75	
J	1.4	-2C UNF	FULL		
K	.380	.410	9.65	10.41	
L	.185	.195	4.70	4.95	
M	.275	.295	6.99	7.49	