

Features

- High Surge Forward Current Capability
- Halogen Free. "Green" Device (Note 1)
- Lead Free Finish/RoHS Compliant(Note 2) ("P" Suffix Designates RoHS Compliant. See Ordering Information)
- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance : 5.0°C/W Junction to Case

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRD2060CT	MBRD2060CT	60V	42V	60V

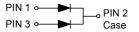
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	20A	T _C =120⁰C
Peak Forward Surge Current	I _{FSM}	125A	8.3ms,Half Sine
Current Squared Time	l²t	65A²S	1ms≤t<8 .3ms T _J =25ºC, Ratin g of Per Diode
Maximum Instantaneous Forward Voltage	V _F	0.75V	I _{FM} =10A; T _A =25⁰C
Maximum Peak Reverse Current	I _R	0.2mA 50mA	T _A =25°C; T _A =125°C

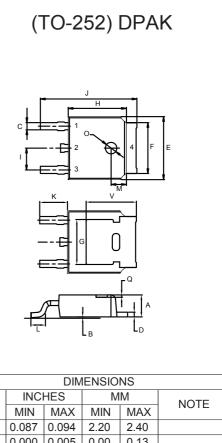
Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

2. High temperature solder exemption applied, see EU directive annex 7a.

Internal Structure



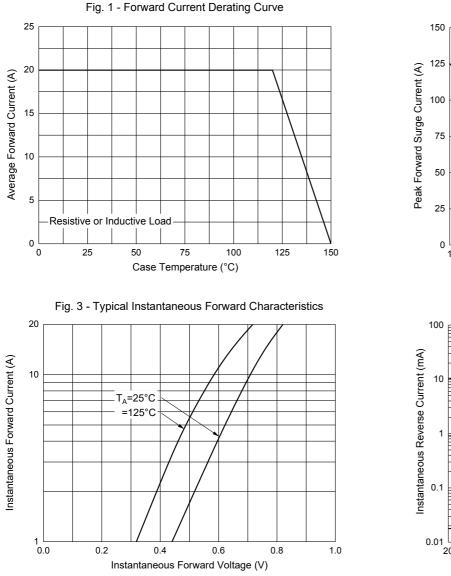
20 Amp Schottky Barrier Rectifier 60 Volts

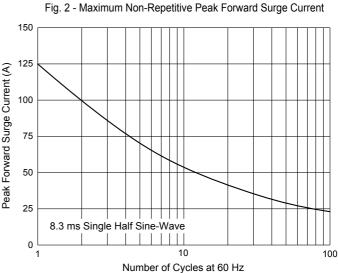


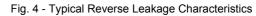
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	NOTE
А	0.087	0.094	2.20	2.40	
В	0.000	0.005	0.00	0.13	
С	0.026	0.034	0.66	0.86	
D	0.018	0.023	0.46	0.58	
E	0.256	0.264	6.50	6.70	
F	0.201	0.215	5.10	5.46	
G	0.190		4.83		
Н	0.236	0.244	6.00	6.20	
1	0.086	0.094	2.18	2.39	
J	0.386	0.409	9.80	10.40	
K	0.1	14	2.9	90	
L	0.055	0.067	1.40	1.70	
М	0.063		1.60		
0	0.043	0.051	1.10	1.30	
Q	0.000	0.012	0.00	0.30	
V	0.211		5.35		

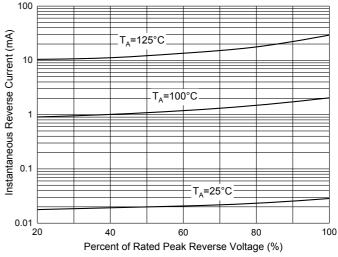


Curve Characteristics











Ordering Information

Device	Packing	
Part Number-TP	Bulk:2.5Kpcs/Box	

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