

Features

- High Current Capability, High Efficiency
- Low Forward Voltage Drop
- Halogen Free. "Green" Device (Note 1)
- Lead Free Finish/RoHS Compliant(Note 2) ("P" Suffix Designates 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

MCC Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
MBRLP2050	50V	35V	50V

Electrical Characteristics @ 25°C Unless Otherwise Specified

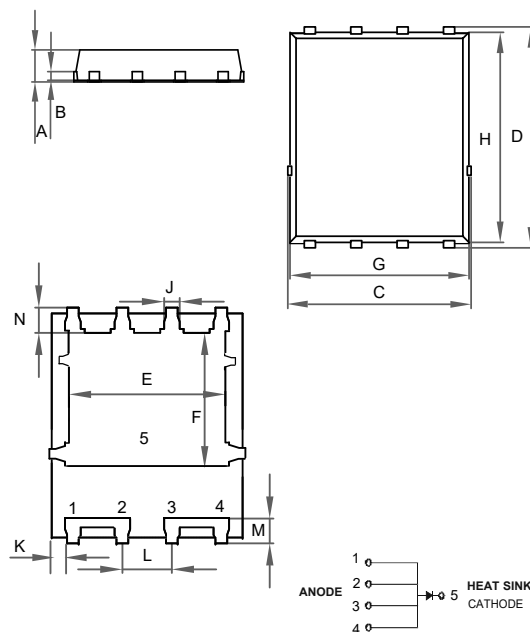
Average Forward Current	$I_{F(AV)}$	20A	$T_A=25^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	280A	8.3ms, Half Sine
Forward Voltage	V_F	0.46V(Typ) 0.51V(Max)	$I_{FM}=20A ;$ $T_J=25^\circ\text{C}$
Reverse Leakage Current	I_R	0.08mA(Typ) 0.3mA(Max) 100mA(Max)	$T_J=25^\circ\text{C}$ $T_J=25^\circ\text{C}$ $T_J=125^\circ\text{C}$

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.

20 Amp Low VF Schottky Barrier Rectifier 50 Volts

DFN5060-8L



DIM	Dimensions				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	0.035	0.043	0.900	1.100	
B	0.009	0.010	0.240	0.260	
C	0.196	0.213	5.000	5.400	
D	0.232	0.248	5.900	6.300	
E	0.157REF.		4.000REF.		
F	0.138REF.		3.500REF.		
G	0.185	0.201	4.700	5.100	
H	0.220	0.236	5.600	6.000	
K	0.010	0.018	0.250	0.450	
J	0.012	0.020	0.310	0.510	
L	0.046	0.054	1.170	1.370	
M	0.021	0.029	0.530	0.730	
N	0.025REF.		0.630REF.		

Curve Characteristics

Fig. 1 - Typical Instantaneous Forward Characteristics

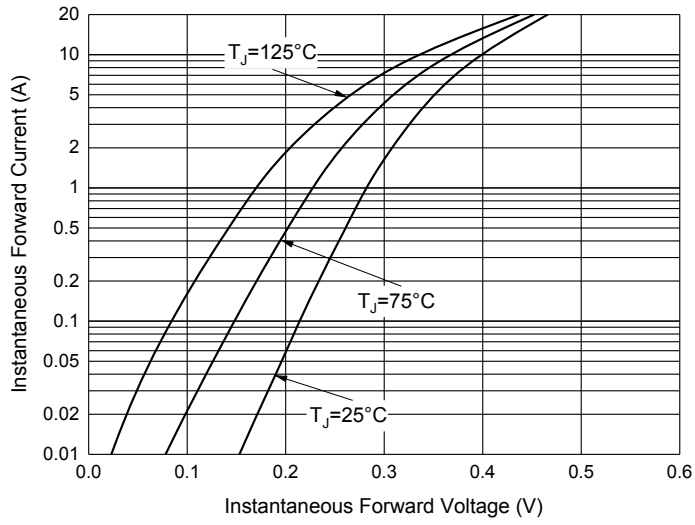
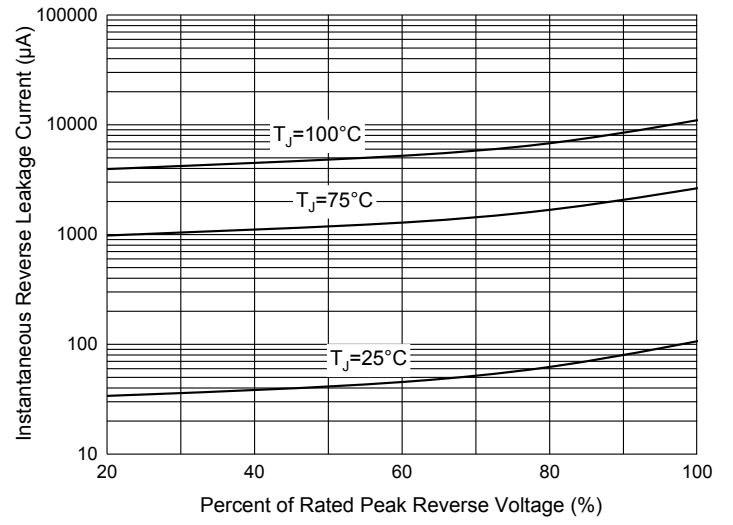


Fig. 2 - Typical Reverse Leakage Characteristics



Ordering Information

Device	Packing
Part Number-TP	Tape&Reel:3Kpcs/Reel

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