

MB1M~MB10M

Rev.D May.-2017

/ Descriptions

0.8A MBM

0.8A DIP Glass Passivated Bridge Rectifier, MBM package.

/ Features

100V~1000V

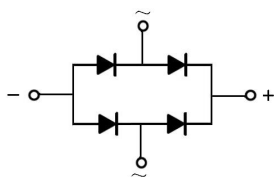
0.8A

Glass Passivated Chip Junction, Reverse Voltage:100to1000V, Forward Current: 0.8 A, High Surge Current Capability.

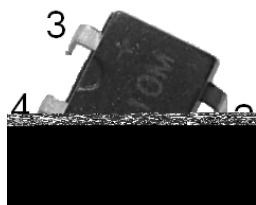
/ Applications

General purpose.

/ Equivalent Circuit



/ Pinning



PIN	DESCRIPTION
1	Input Pin (~)
2	Input Pin (~)
3	Output Anode (+)
4	Output Cathode (-)

/ Marking

See Marking Instructions.

Parameter	Symbol	Rating						Unit
		MB1M	MB2M	MB4M	MB6M	MB8M	MB10M	
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	100	200	400	600	800	1000	V
Average Rectified Output Current at $T_a = 50^\circ\text{C}$	I_o	0.8						A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	30						A
Typical Junction Capacitance ^(Note1)	C_j	13						pF
Typical Thermal Resistance ^{Note2}	$R_{\theta JA}$	95						/W
Typical Thermal Resistance ^{Note2}	$R_{\theta JL}$	30						/W
Operating and Storage Temperature Range	T_j, T_{stg}	-55~+150						

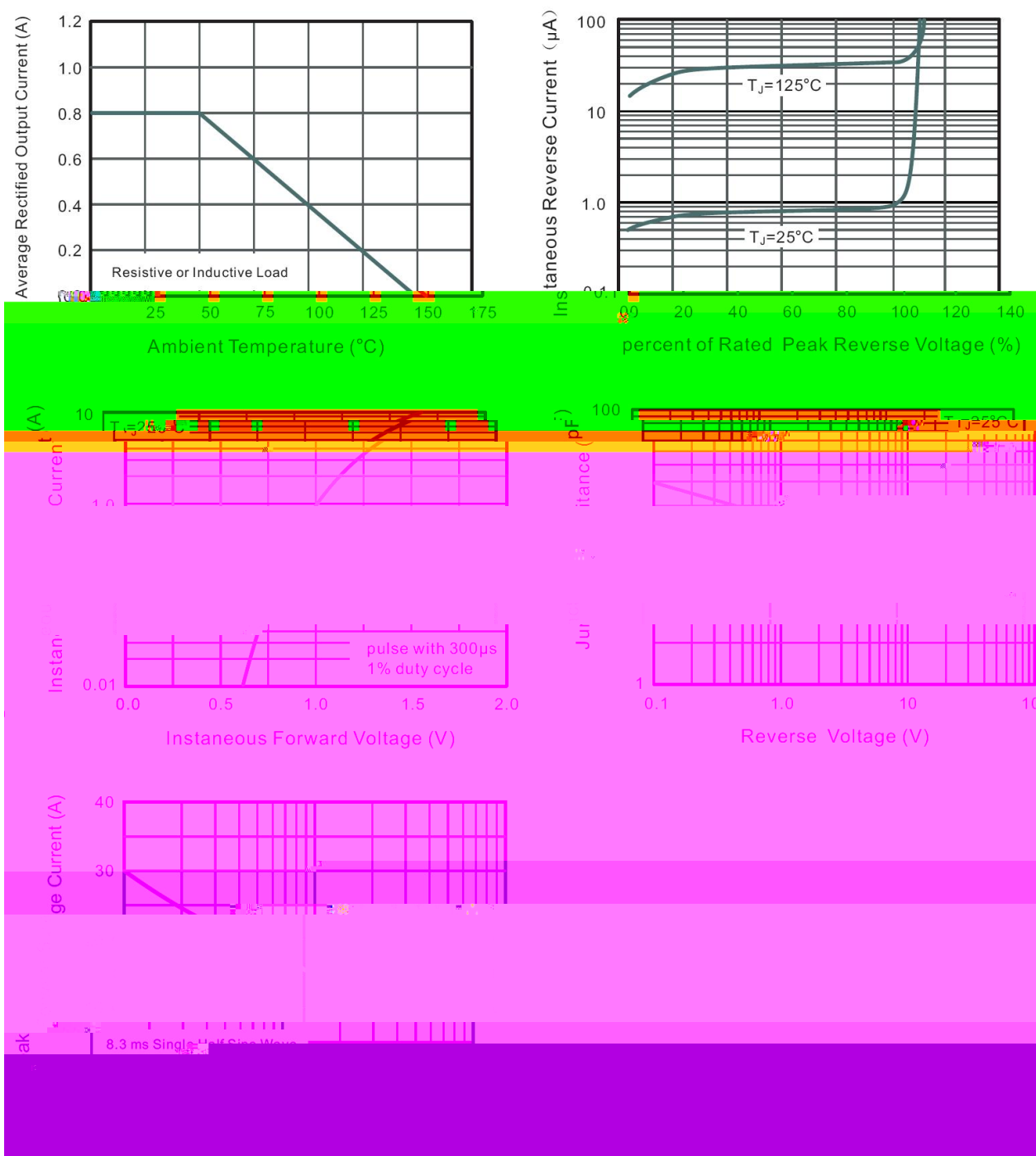
Note:

1. Measured at 1MHz and applied reverse voltage of 4 V D.C.
2. Mounted on glass epoxy PC board with $4 \times (5 \times 5\text{mm}^2)$ copper pad..

Parameter	Symbol	测试条件 Test condition	数值 Rating	单位 Unit
Maximum Forward Voltage	V_F	$I_F=0.4\text{A}$	1.0	V
		$I_F=0.8\text{A}$	1.1	

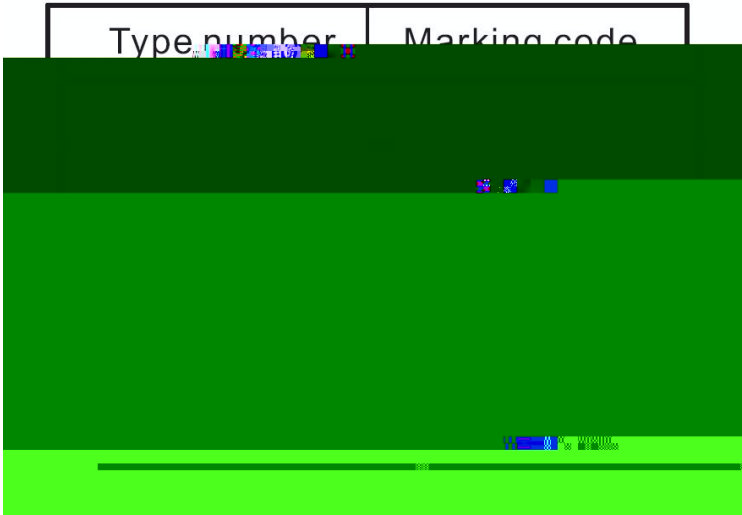
Maximum DC
Reverse Current at
Maximum DC

/ Electrical Characteristic Curve

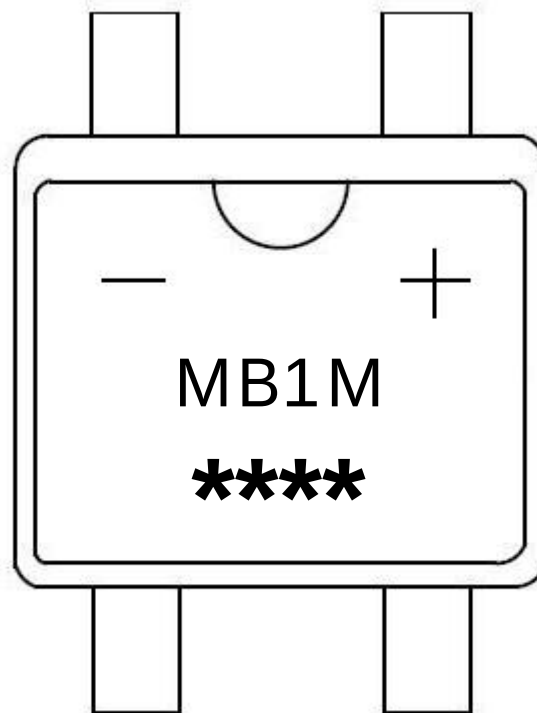


/ Marking Instructions

Marking



/ Marking Instructions



MB1M

1 *

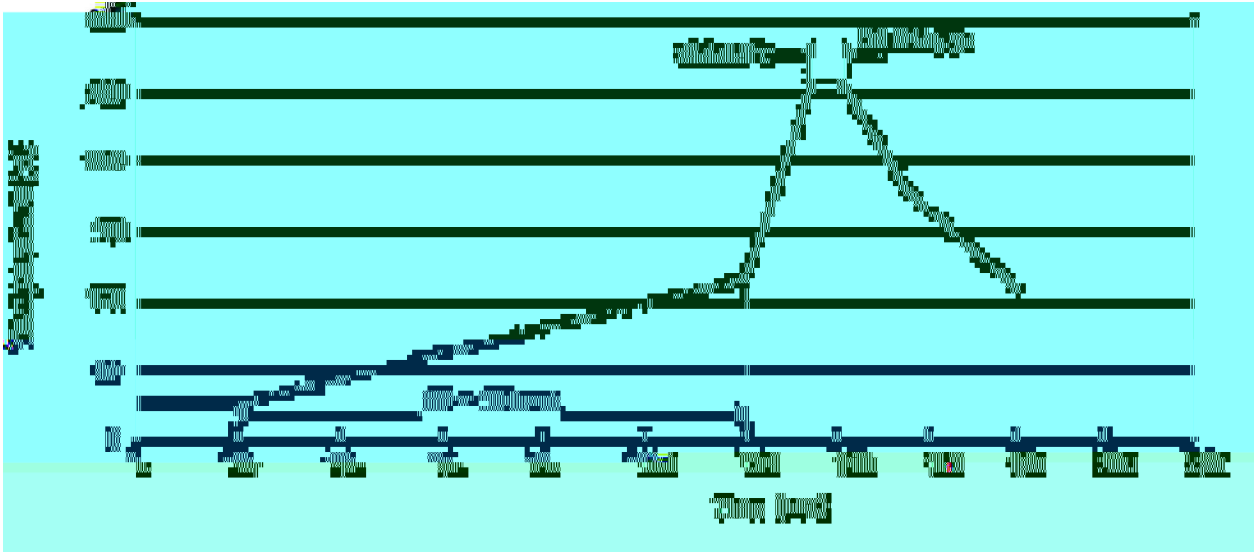
3 *

Note:

MB1M Product Type Code

**** Lot No. Code The 1st * means:YM Code The last 3 * means:little Lot No Code

() / Temperature Profile for Dip Soldering(Pb-Free)



Note:

- 1

25 150

60 90sec;
- 2

255±5

5±0.5sec;
- 3

2 10

/sec.
- 1.Preheating:25~150

, Time:60~90sec.
- 2.Peak Temp.:255±5

, Duration:5±0.5sec.
3. Cooling Speed: 2~10

/sec.

/ Resistance to Soldering Heat Test Conditions

270±5 10±1 sec. Temp.:270±5 Time:10±1 sec

/ Packaging SPEC.

/ TUBE

Package Type	Units					Dimension		(unit mm ³)
	100	50	5000	4	20000			

/ Notices