

/ Revised record

D	2017-5				
E	2021-1-27	4/7	0.5-0.8	e0.5-0.7 5 7	

/ Descriptions

0.8A MBF
0.8A Surface Mount Glass Passivated Bridge Rectifier, MBF thin package。

/ Features

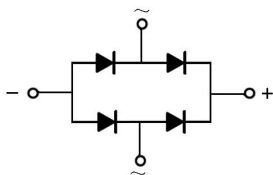
100V~1000V 0.8A

Glass Passivated Chip Junction, Reverse Voltage:100to1000V, Forward Current:0.8 A, High Surge Current Capability, Designed for Surface Mount Application, Halogen free product.

/ Applications

General purpose.

/ Equivalent Circuit



/ Pinning

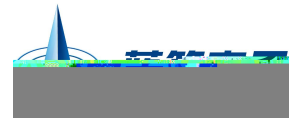


PIN	DESCRIPTION
1	Input Pin (~)
2	Input Pin (~)
3	Output Anode (+)
4	Output Cathode (-)



/ Marking

See Marking Instructions.


/ Absolute Maximum Ratings(Ta=25)

Parameter	Symbol	Rating						Unit
		MB1F	MB2F	MB4F	MB6F	MB8F	MB10F	
Maximum Recurrent 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 Ta = 50℃	I _{F(AV)}	0.8						A
Peak Forward Surge Current,8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	30						A
Typical Junction Capacitance ¹⁾	C _j	13						pF
Typical Thermal Resistance ²⁾	R _{θJA}	95						℃/W
	R _{θJL}	30						
Operating and Storage Temperature Range	T _j ,T _{stg}	-55~+150						℃

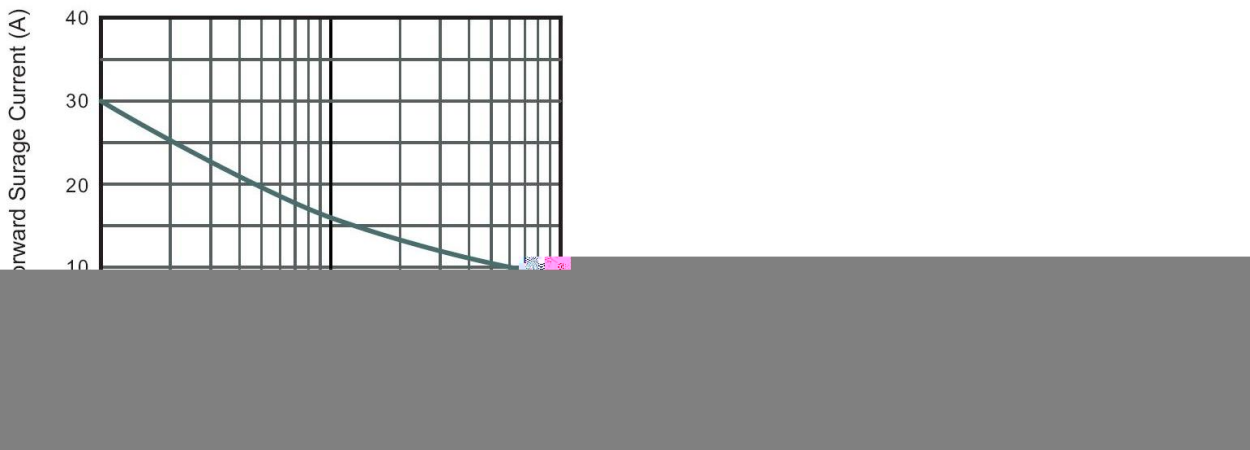
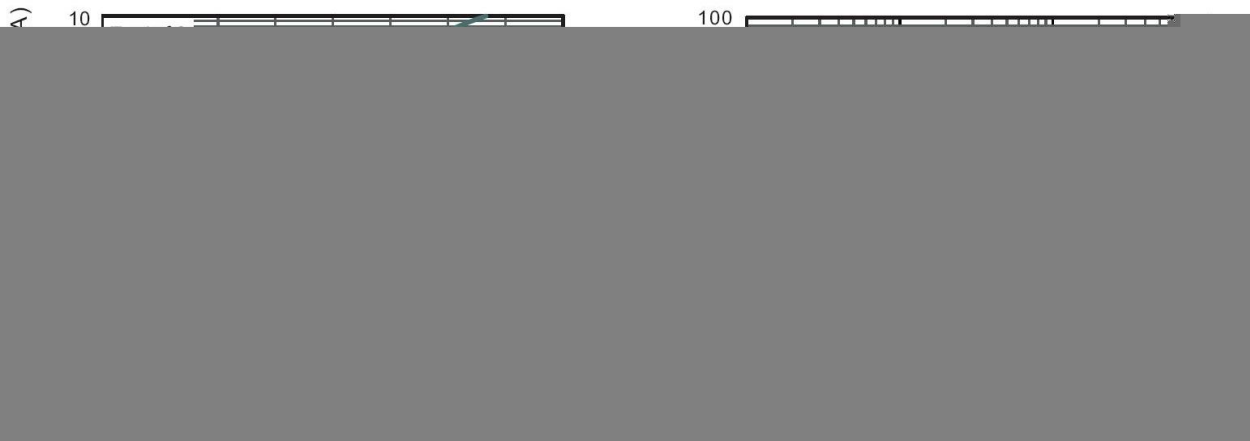
Note:

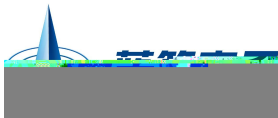
1. Measured at 1MHz and applied reverse voltage of 4 V D.C.
2. Mounted on glass epoxy PC board with 4×(5×5mm²) copper pad.

/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	数值 Rating	Unit
Max Instantaneous Forward Voltage	V_F	$I_F=0.8A$	1.1	V
Maximum DC Reverse Current at Maximum DC Blocking Voltage	I_R	$T_a=25^{\circ}C$	5.0	μA
		$T_a=125^{\circ}C$	40	μA

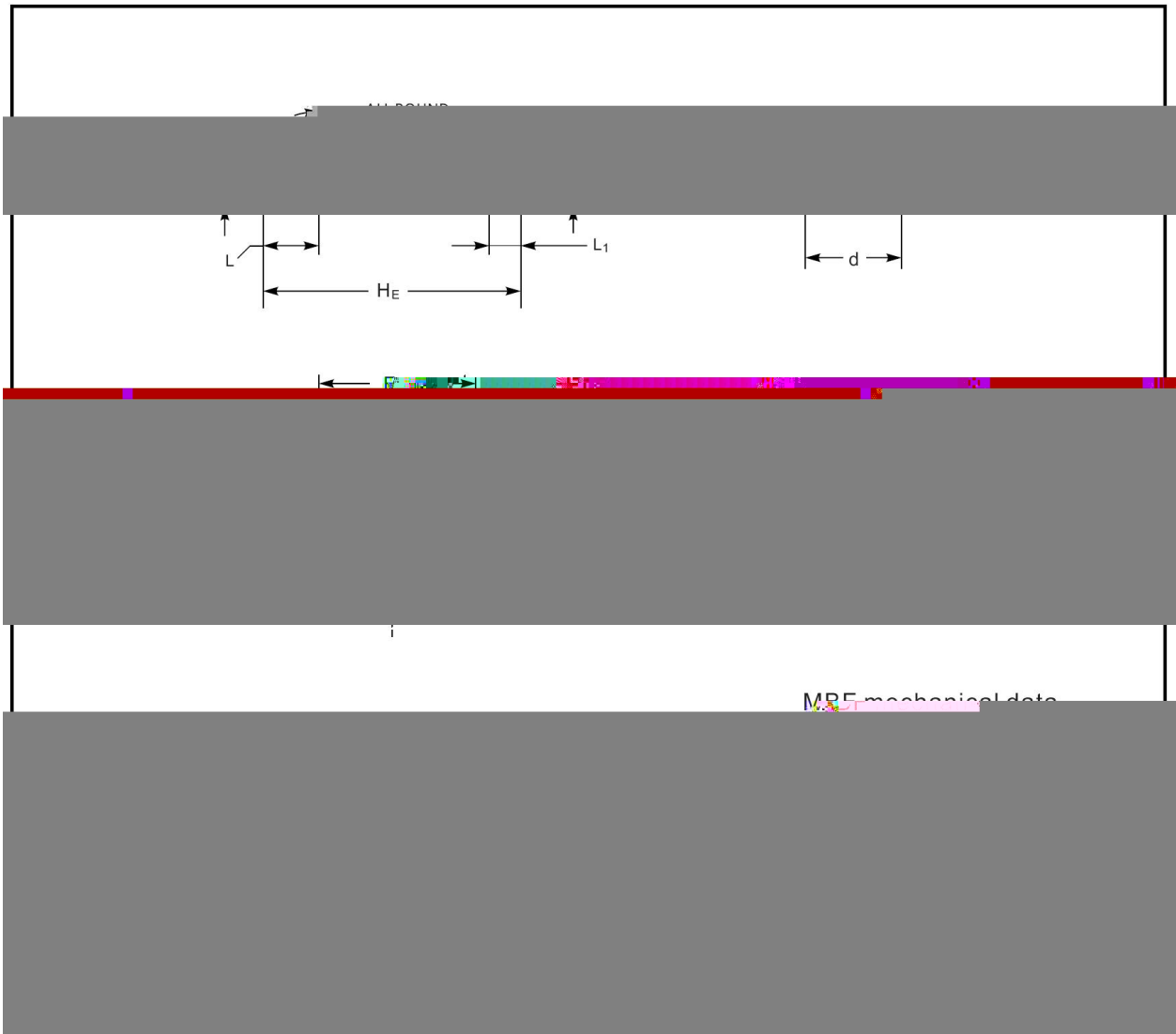
/ Electrical Characteristic Curve

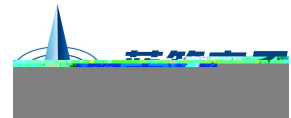




/ Package Dimensions

MBF



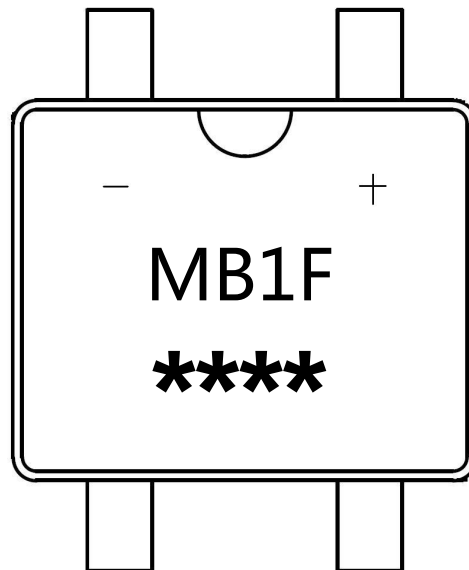


/ Marking Instructions

Marking



/ Marking Instructions



说明

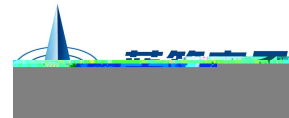
MB1F : 为型号代码

***** : 为生产批号追溯码，第 1 个*为年月代码，后面 3 个*为当月小批号代码

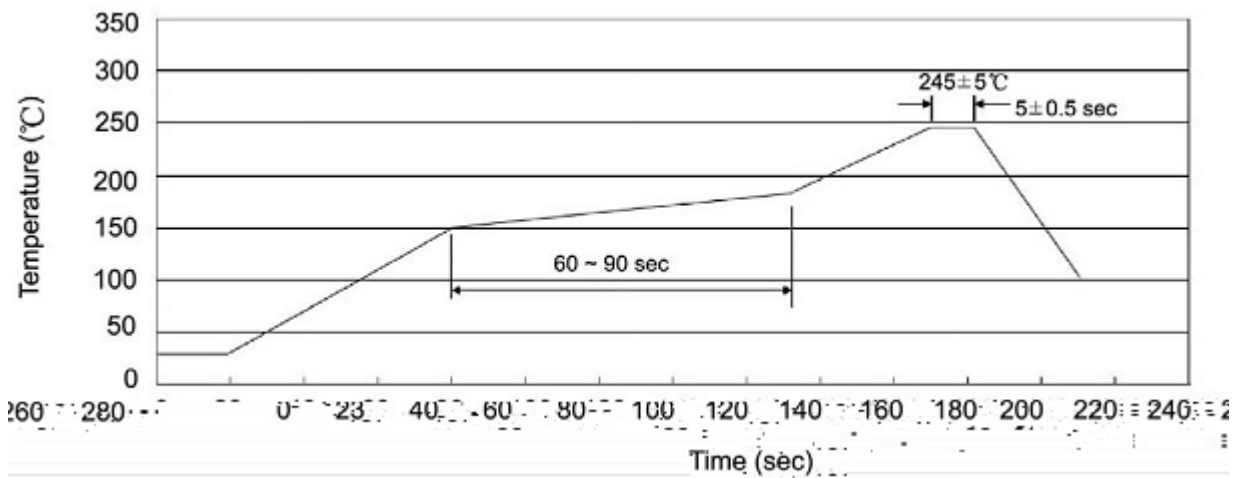
Note:

MB1F : Product Type Code

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



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Note:

- | | | | |
|---|----------|-------------|---|
| 1 | 25 ~ 150 | 60 ~ 90sec; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 245±5 | 5±0.5sec; | 2.Peak Temp.:245±5 , Duration:5±0.5sec. |
| 3 | 2 ~ 10 | /sec. | 3. Cooling Speed: 2~10 /sec. |

/ Resistance to Soldering Heat Test Conditions

260±5 10±1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type
封装形式

Units 包装数量

Dimension 包装尺寸 (unit: