



/ Revised record

A	2021-4-7		W15		

/ Descriptions

1A MBF
1A Surface Mount Glass Passivated Bridge Rectifier, MBF thin package。

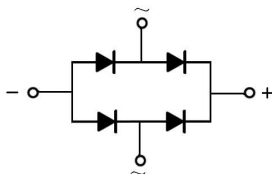
/ Features

50V~1000V 1A
RoHS
Glass Passivated Chip Junction, Reverse Voltage:50to1000V, Forward Current:1 A, High Surge Current Capability, Low Forward Voltage Drop, Lead and body according with RoHS standard, 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.

MB05F~MB10F

Rev.A Apr.-2021



DATA SHEET

参数 Parameter	符号 Symbol	数值 Rating							单位 Unit
		MB05F	MB1F	MB2F	MB4F	MB6F	MB8F	MB10F	
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Average Rectified Output Current at $T_a = 40^{\circ}C$	$I_{F(AV)}$	1							A
Peak Forward Surge Current, 8.3ms single half-sine-wave superimposed on rated load	I_{FSM}	30							A



/ Electrical Characteristic Curve

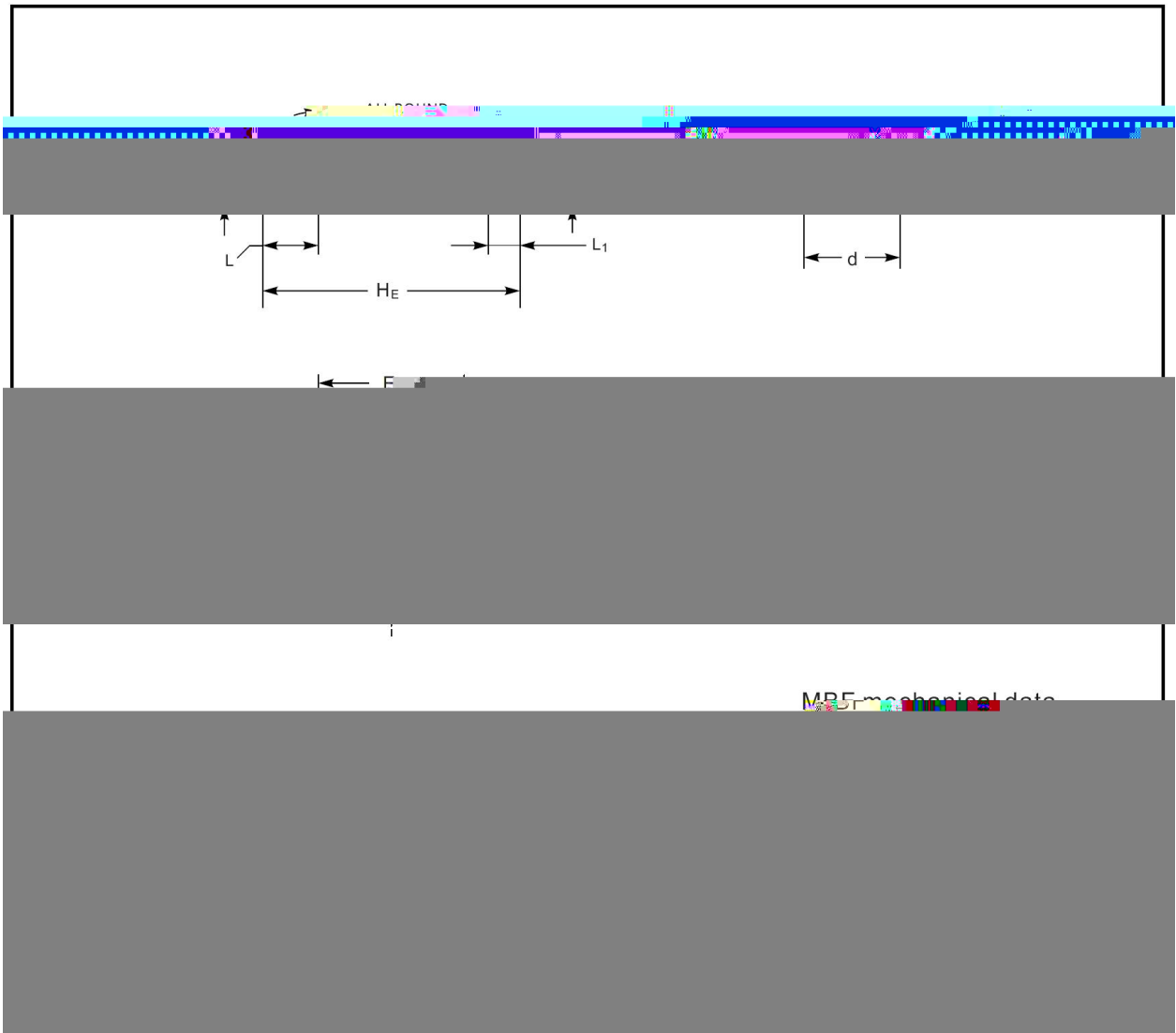
Fig.1 Derating

Fig.2 Maximum Non Repetitive Peak Forward

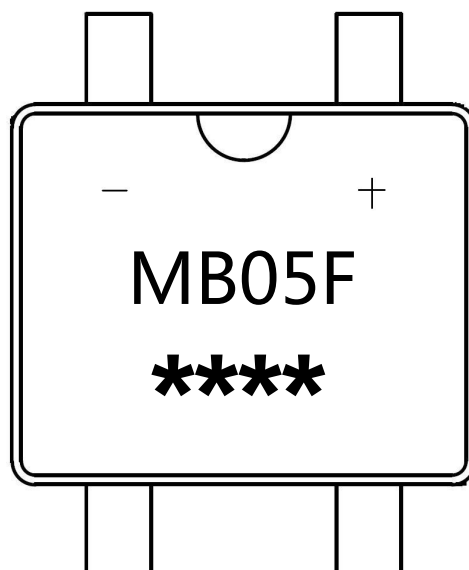


/ Package Dimensions

MBF



/ Marking Instructions



说明

MB05F : 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:

MB05F : Product Type Code

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

Marking

Type number	Marking code
MB05F	MB05F
MB1F	MB1F
MB2F	MB2F
MB4F	MB4F
MB6F	MB6F
MB8F	MB8F
MB10F	MB10F



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Note:

- | | | | |
|---|---------|-----------|--|
| 1 | 150 180 | 60 90sec; | 1.Preheating:150~180°C, Time:60~90sec. |
| 2 | 245±5 | 5±0.5sec; | 2.Peak Temp.:245±5°C, Duration:5±0.5sec. |
| 3 | 2 | 10°C/sec. | 3. Cooling Speed: 2~10°C/sec. |

/ Resistance to Soldering Heat Test Conditions

260±5°C	10±1 sec.	Temp.:260±5°C	Time:10±1 sec
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/ Packaging SPEC.

/ REEL

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Package Type	Units	(((Dimension	(unit mm ³)
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