

修订记录 / Revised record

A	2021-4-7		W15		

描述 / Descriptions

1A

MBF

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

特征 / Features

50V~1000V

1A

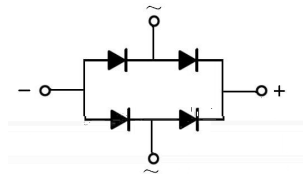
RoHS

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.

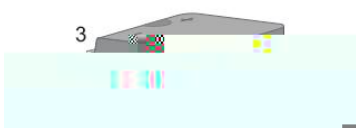
用途 / Applications

General purpose.

内部等效电路 / Equivalent Circuit



引脚排列 / Pinning



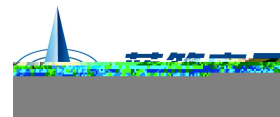
PIN	DESCRIPTION
1	Input Pin (~)
2	Input Pin (~)
3	Output Anode (+)
4	Output Cathode (-)

印章代码 / Marking

See Marking Instructions.

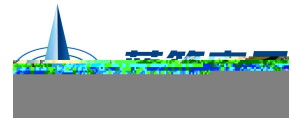
MB05F~MB10F

Rev.A Apr.-2021



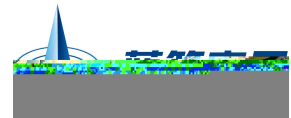
DATA SHEET

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 $T_a = 40^{\circ}\text{C}$	$I_{F(AV)}$	1							A
Peak Forward Surge Current, 8.3ms single half-sine-wave superimposed on rated load	I_{FSM}			x	30		l		A



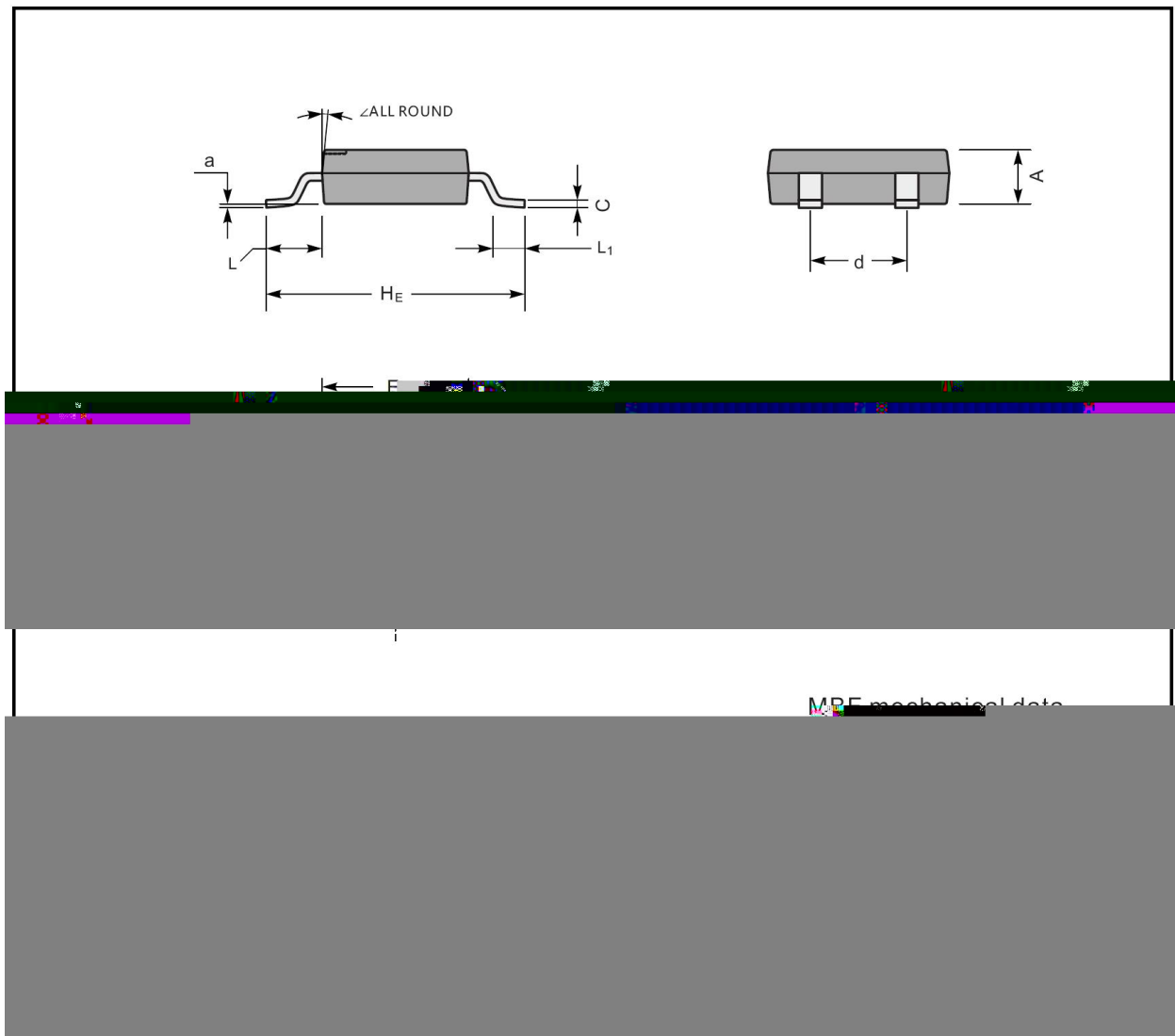
电参数曲线图 / Electrical Characteristic Curve

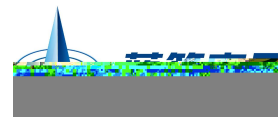




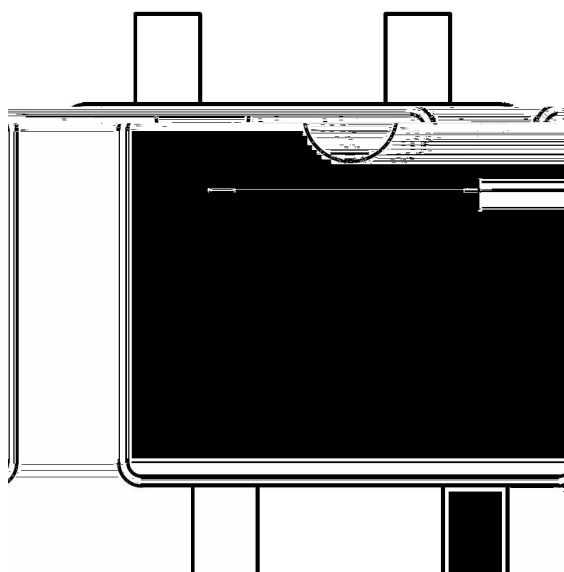
外形尺寸图 / Package Dimensions

MBF





印章说明 / Marking Instructions



MB05F

1 *

3 *

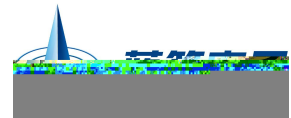
Note:

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



回流焊温度曲线图(无铅) / Temperature Profile for IR Reflow Soldering(Pb-Free)

Note:

- 1 150 180 60 90sec;
- 2 245±5 5±0.5sec;
- 3 2 10°C/sec.

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

耐焊接热试验条件 / Resistance to Soldering Heat Test Conditions

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

包装规格 / Packaging SPEC.

/ REEL

Package Type	Units	Dimension	(unit mm ³)
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