

TMBF4005~TMBF410

Rev.A Jan.-2024

/ Descriptions

4.0A

UMSB

4.0A Single-Phase Glass Passivated Bridge Rectifiers,UMSB thin package.

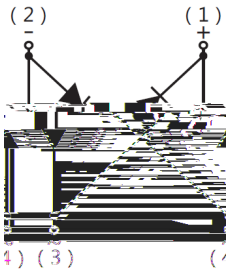
/ Features

Reverse Voltage :50 to 1000V,Forward Current: 4.0A, Designed for Surface Mount Application,HF product.

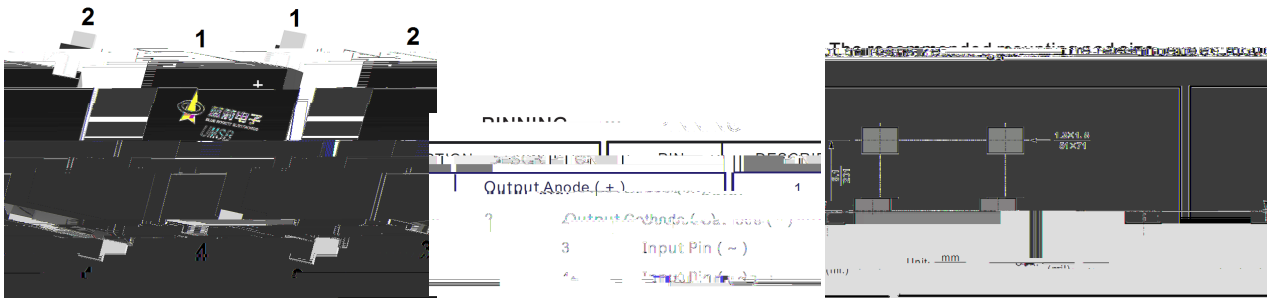
/ Applications

General purpose.

/ Equivalent Circuit



/ Pinning



/ Marking

See Marking Instructions.

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DATA SHEET

Parameter	Symbol	Rating							Unit
		TMBF 4005	TMBF 401	TMBF 402	TMBF 404	TMBF 406	TMBF 408	TMBF 410	

/ Electrical Characteristic Curve

Fig. 1 Typical Curve for Output Rectified Current

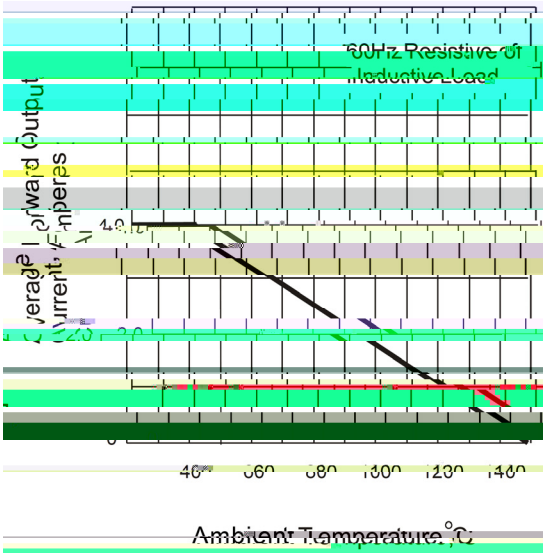


Fig. 2 Maximum Allowable Peak Forward Surge Current

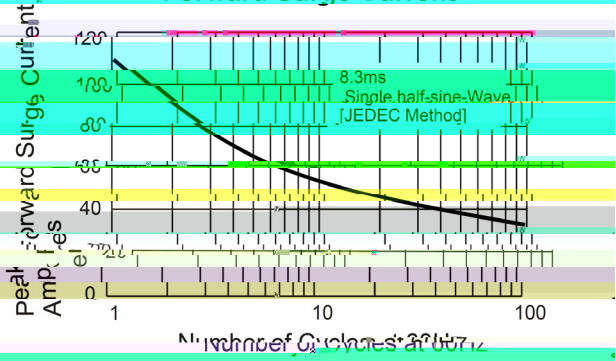


Fig. 3 Typical Instantaneous Forward Characteristics

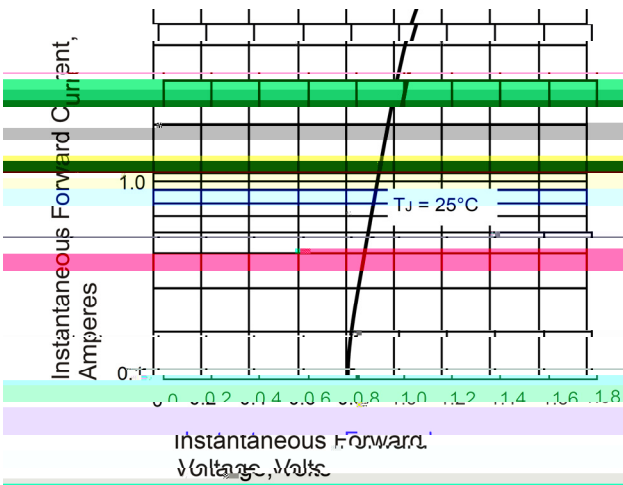


Fig. 4 Typical Reverse Characteristics

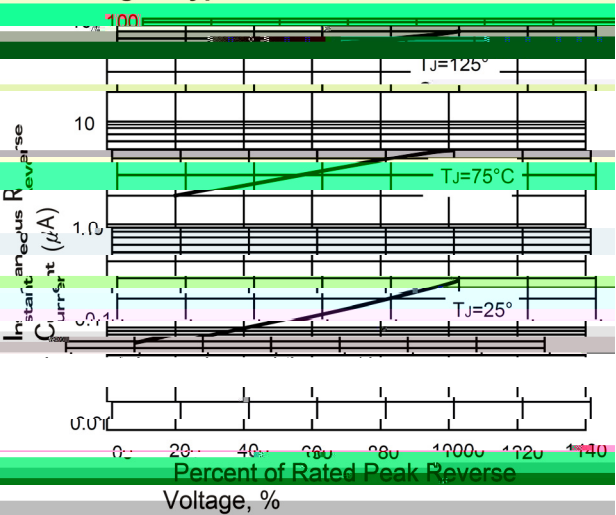
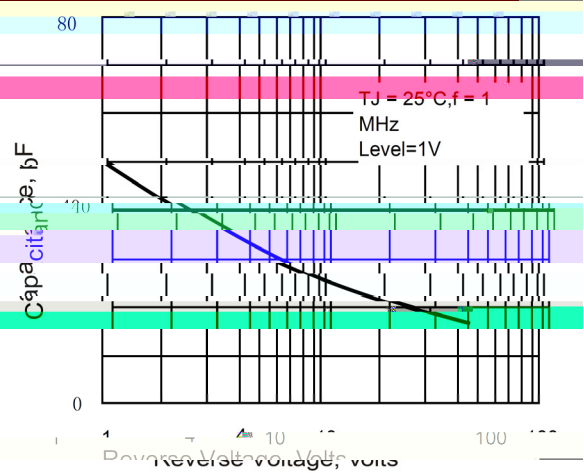


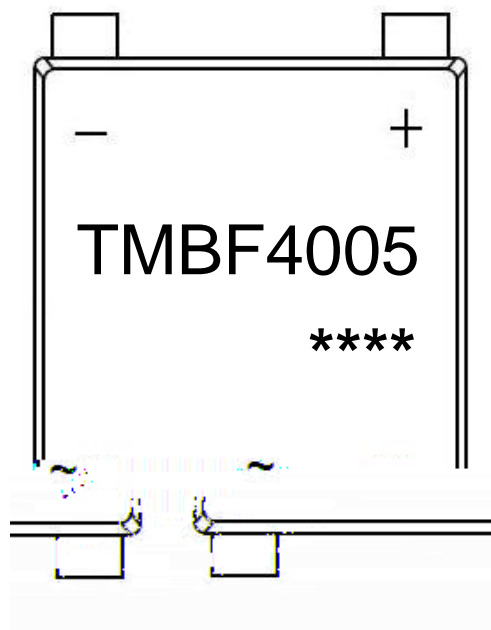
Fig. 5 Typical Junction Capacitance



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/ Marking Instructions



Note:

Product Type Code

() / Temperature Profile for IR Reflow Soldering(Pb-Free)

- Note:
- | | | | | | |
|---|-----|-----|----|----------|-----------------------------------------|
| 1 | 150 | 180 | 60 | 90sec; | 1.Preheating:150~180 , 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. |