TMBF4005~TMBF410

Rev.A Jan.-2024

DATA SHEET

/ Descriptions

4.0A UMSB

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

/ Features

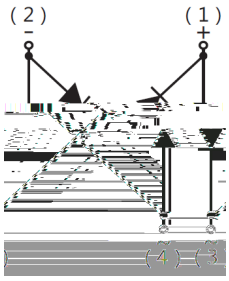
50V~1000V 4.0A

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.

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

/ Electrical Characteristic Curve

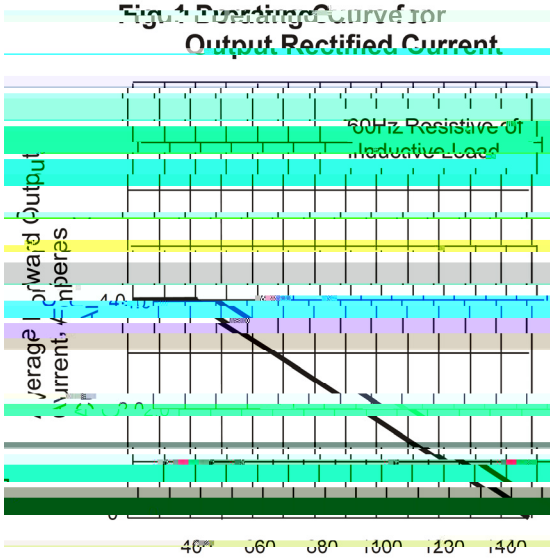


Fig. 1 Derating Curve for Output Rectified Current

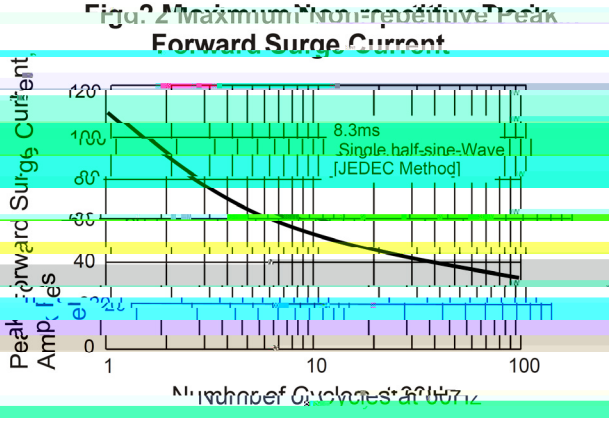


Fig. 2 Maximum Non-repetitive Peak Forward Surge Current

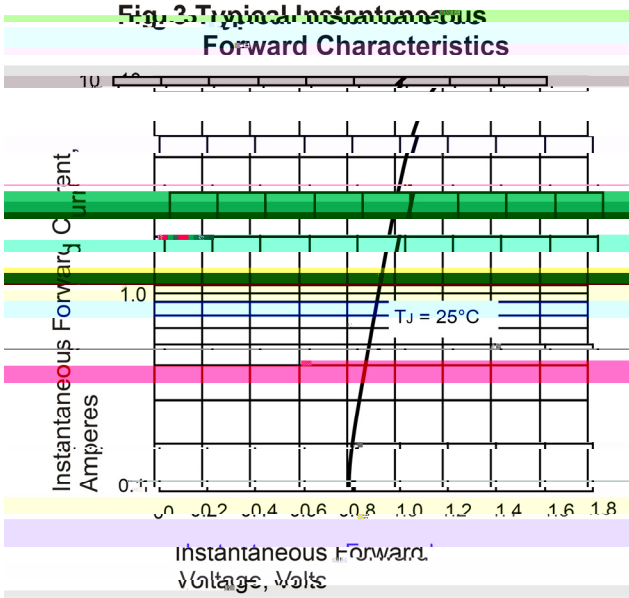


Fig. 3 Typical Instantaneous Forward Characteristics

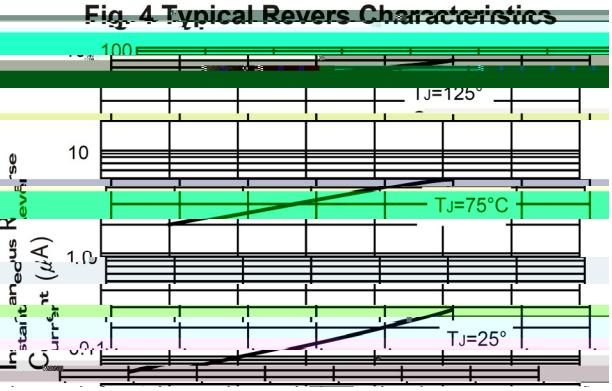


Fig. 4 Typical Revers Characteristics

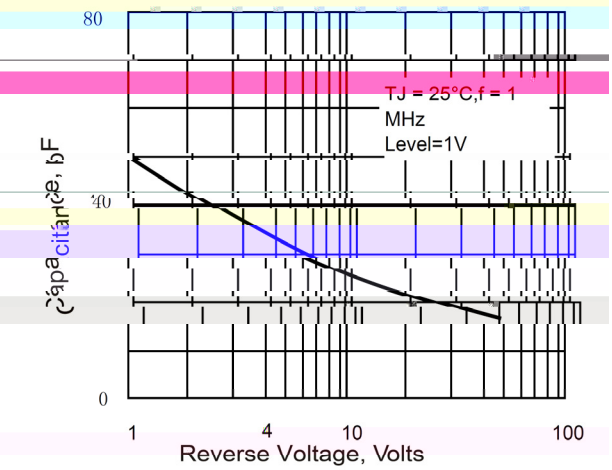


Fig. 5 Typical Junction Capacitance

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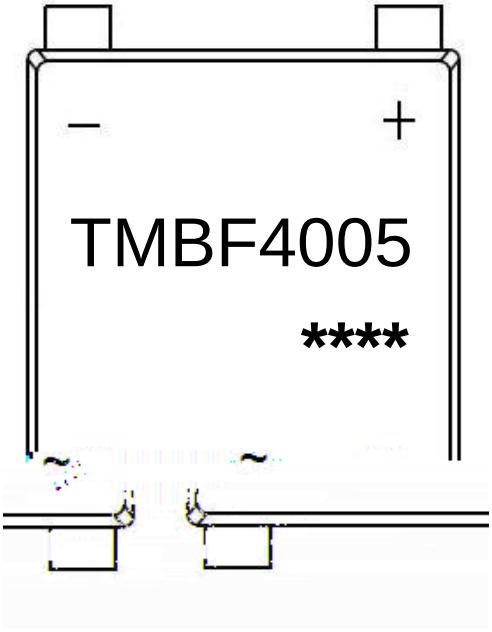
/ Marking Instructions



TMBF4005
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Note:

TMBF4005	Product Type Code
****	Lot No. Code, code change with Lot No

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

1	150	180		60	90sec;	Note: 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.