

# TMBF3005~TMBF310

Rev.A Jan.-2024

## / Descriptions

3.0A

UMSB

3.0A Single-Phase Glass Passivated Bridge Rectifiers,UMSB thin package.

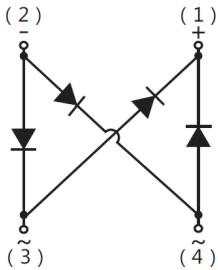
## / Features

Reverse Voltage :50 to 1000V,Forward Current: 3.0A, Designed for Surface Mount Application,HF product.

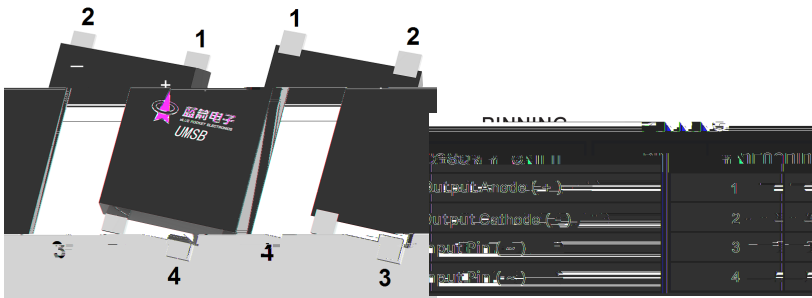
## / Applications

General purpose.

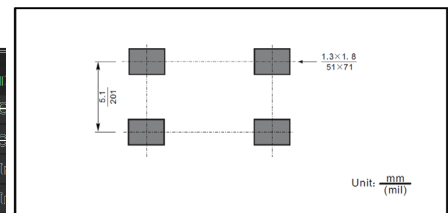
## / Equivalent Circuit



## / Pinning



The recommended mounting pad size



## / Marking

See Marking Instructions.

# TMBF3005~TMBF310

Rev.A Jan.-2024



DATA SHEET

Parameter	Symbol	Rating							Unit
		TMBF 3005	TMBF 301	TMBF 302	TMBF 304	TMBF 306	TMBF 308	TMBF 310	

/ Electrical Characteristic Curve

Fig. 1 Derating Curve for Output Rectified Current

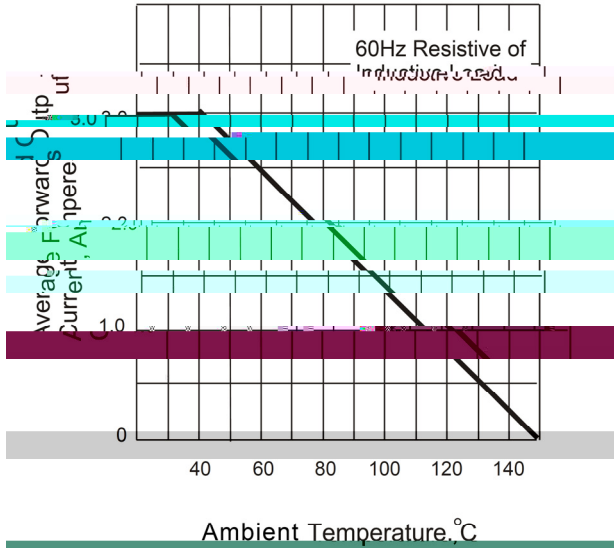


Fig. 2 Maximum Non-repetitive Peak Forward Surge Current

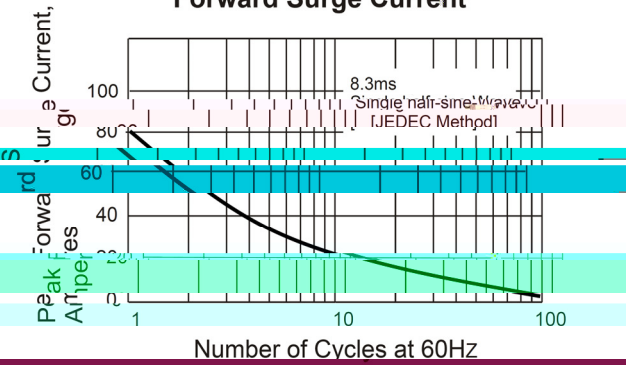


Fig. 4 Typical Reverse Characteristics

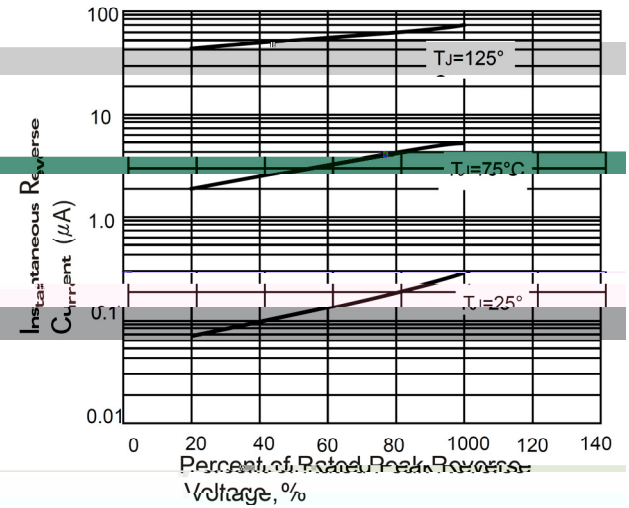


Fig. 3 Typical Instantaneous Forward Characteristics

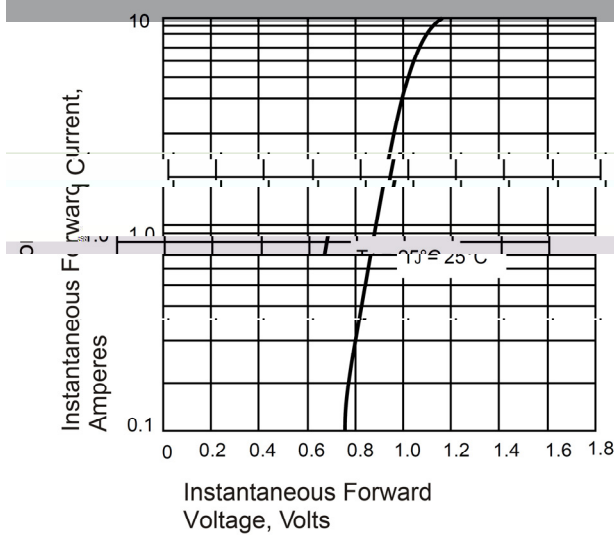
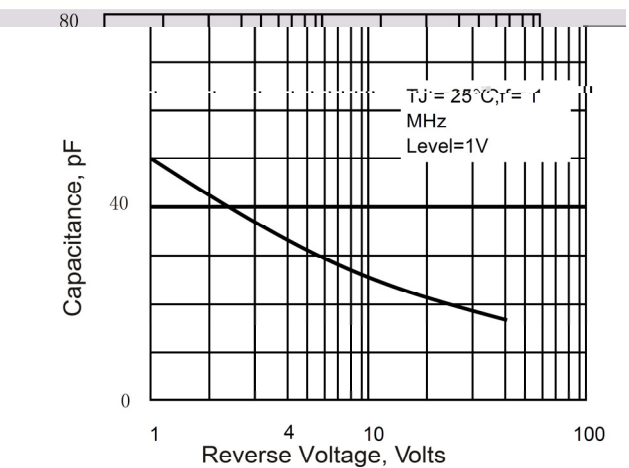
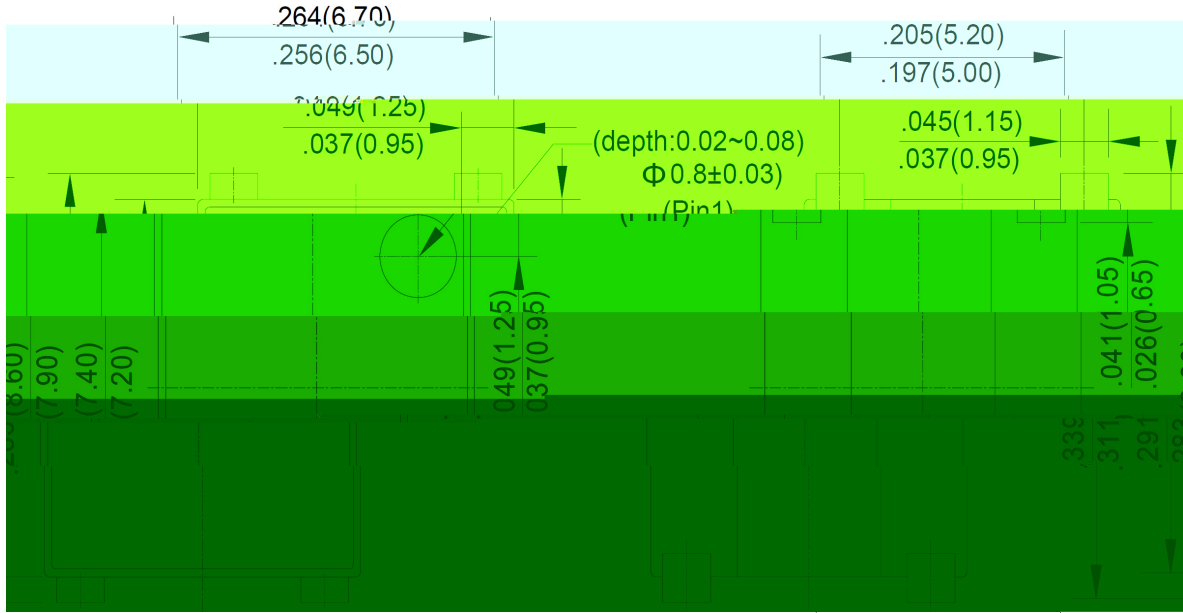


Fig. 5 Typical Junction Capacitance

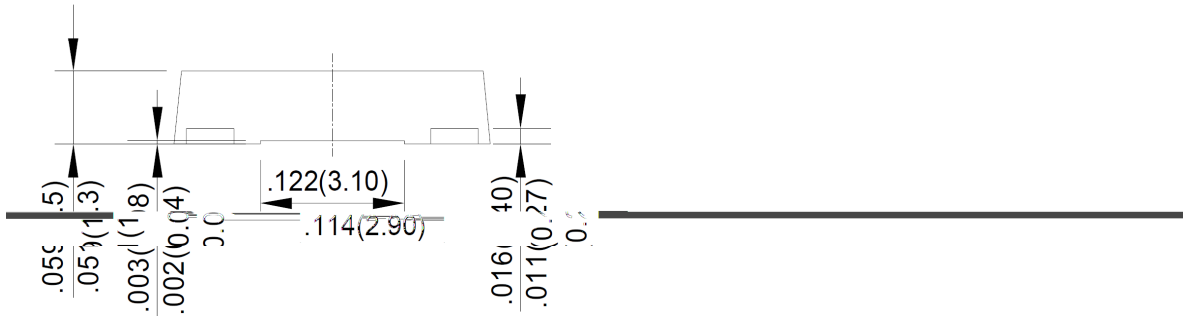


/ Package Dimensions



Top View

Bottom View



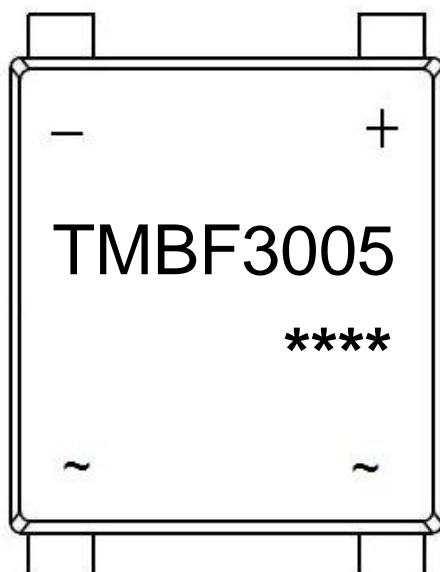
Side View

Dimensions in millimeters (1mm=0.0394")

# TMBF3005~TMBF310

Rev.A Jan.-2024

## / Marking Instructions



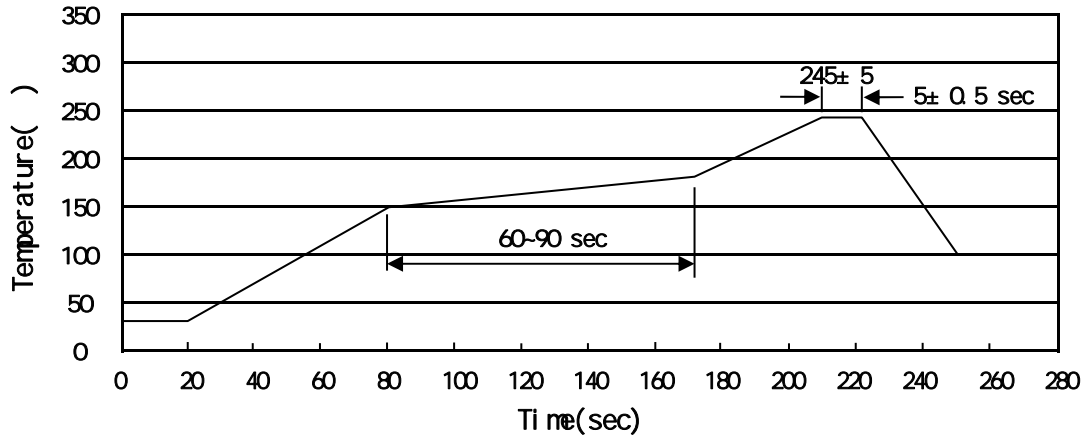
\*\*\*\*

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.            |

/ Resistance to Soldering Heat Test Conditions

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

/ Packaging SPEC.

/ REEL

Package Type	Units					Dimension (unit mm <sup>3</sup> )		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
UMSB	3,000	2	6,000	6	36,000	13"×16	337×337×49	380×335×366

/ Notices