

TMBF3005~TMBF310

Rev.A Jan.-2024

/ Descriptions

3.0A

UMSB

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

/ Features

50V~1000V

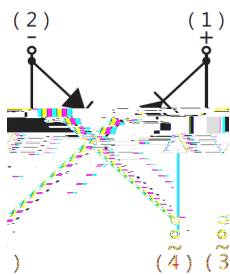
3.0A

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

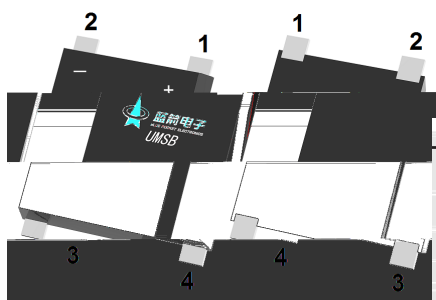
/ Applications

General purpose.

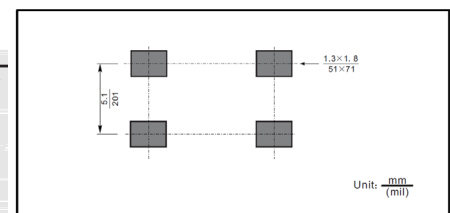
/ Equivalent Circuit



/ Pinning



The recommended mounting pad size



/ Marking

See Marking Instructions.

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

/ Electrical Characteristic Curve

Fig. 1 Typical Forward Output Rectified Current

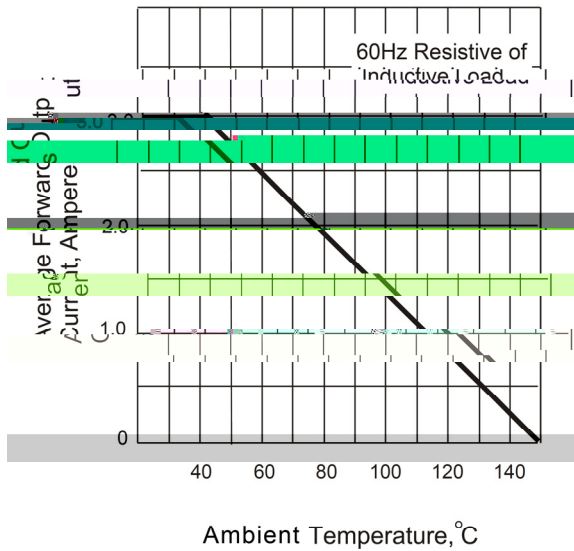


Fig. 2 Maximum Non-repetitive Peak Forward Surge Current

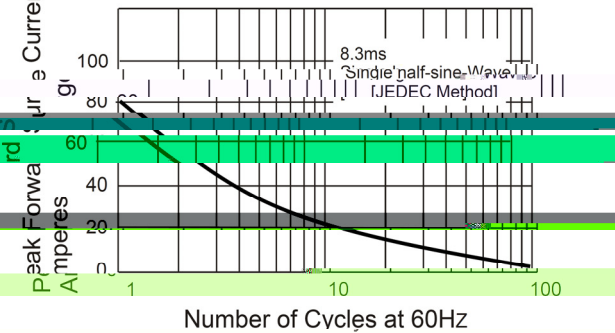


Fig. 3 Typical Instantaneous Forward Characteristics

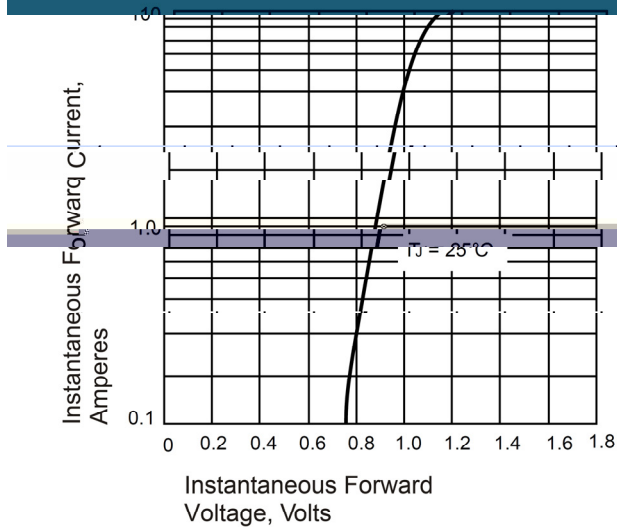


Fig. 4 Typical Reverse Characteristics

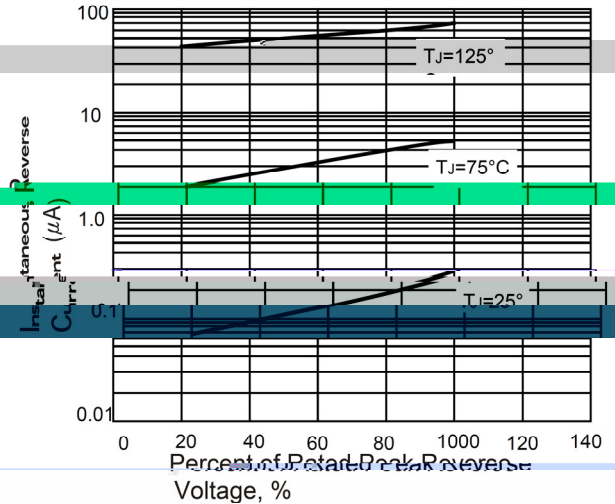
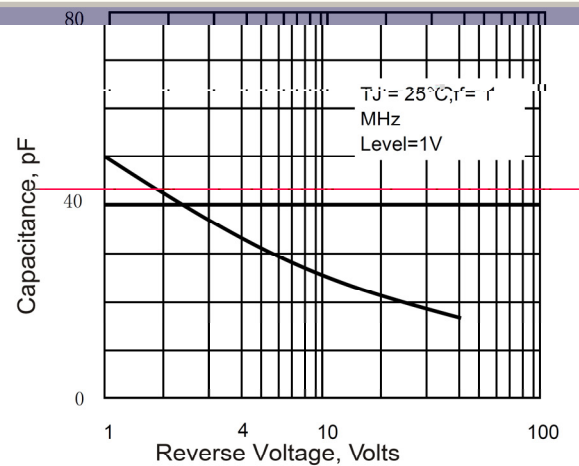
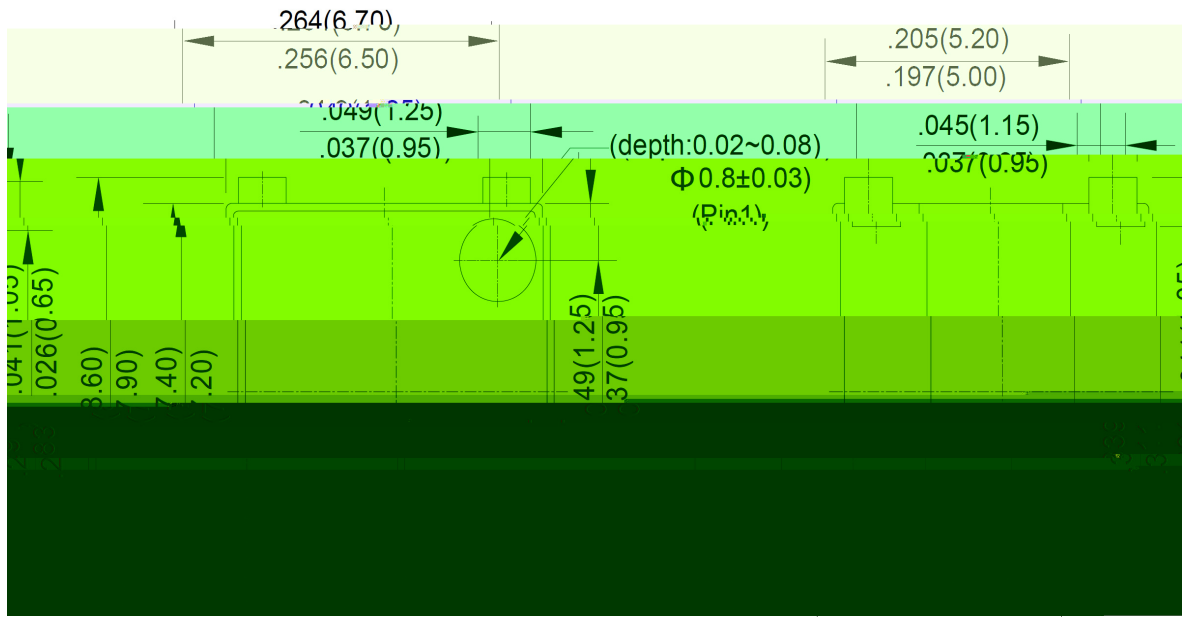


Fig. 5 Typical Junction Capacitance

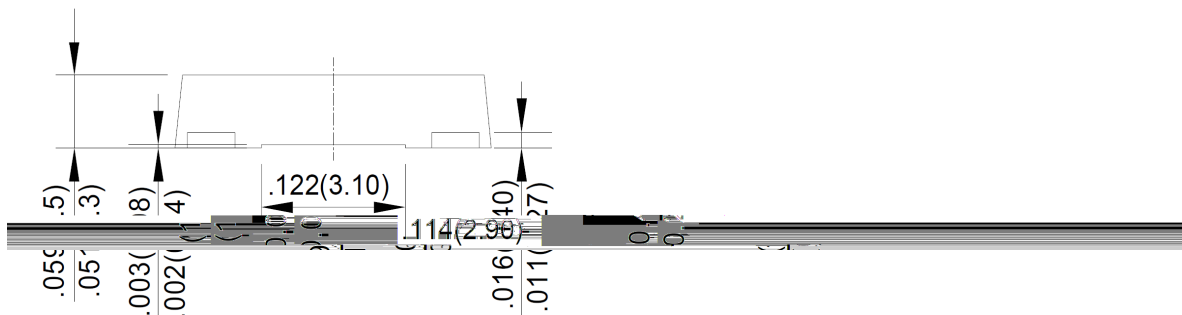


/ Package Dimensions



Top View

Bottom View



Side View

Dimensions in mm (inches) mm (inches)



/ Marking Instructions



TMBF3005

Note:

TMBF3005

Product Type Code

Lot No. Code, code change with Lot No

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



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

/sec.

3. Cooling Speed: 2~10 °C/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 ³)		
	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