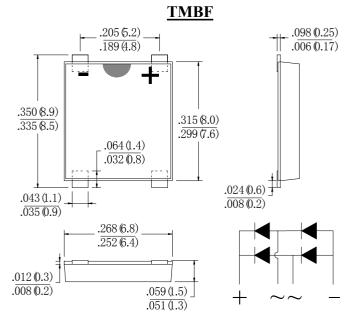
SINGLE PHASE2.0AMPS. GLASS PASSIVATED BRIDGE RECTIFIERS

Features:

- . Glass passivated junction.
- . Ideal for printed circuit board.
- . Reliable low cost construction utilizing molded plastic technique.
- . High surge current capability.
- . High temperature soldering guaranteed: 260°C/10 seconds at terminals.

Mechanical Data:

- . Case Material: "Green" Molding compound, UL flammability classification rating 94V-0, "Free halogen"
- . Moisture sensitivity level:level 2a,per J-STD-020
- . Polarity:Polarity as marked on the body
- . Weight: 0.204g (approximately)



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

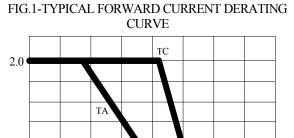
Type Number	SYM BOL	TMBF 202	TMBF 204	TMBF 206	TMBF 208	TMBF 210	units
Maximum Recurrent Peak Reverse Voltage	$V_{ m RRM}$	200	400	600	800	1000	V
Maximum RMS Voltage	$V_{ m RMS}$	160	320	420	560	700	V
Maximum DC blocking Voltage	$V_{ m DC}$	200	400	600	800	1000	V
Maximum Average Forward rectified Current @ $T_A=40^{\circ}C$	$I_{ m F(AV)}$	2.0					A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rate load (JEDEC method)	$I_{ m FSM}$	80					A
	$V_{ m F}$	1.00 1.1					V
Maximum DC Reverse Current @T _J =25°C at rated DC blocking voltage @T _J =125°C	$I_{ m R}$	5.0 500.0					μΑ
I ² t Rating for Fusing (t < 8.3ms)	<i>I</i> ² t	41.5					A ² Sec
Typical Junction Capacitance Per Leg (Note1)	$C_{ m J}$	35					pF
Typical Thermal Resistance (Note2)	$R_{ m JA}$	15 7					°C /W
	$R_{ m JC}$						
Storage Temperature	$T_{ m STG}$	-55 to +150					°C
Operating Junction Temperature	$T_{ m J}$	-55 to +150					°C

Note:

- 1. Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc
- 2. Thermal resistance from Junction to case,lead and ambient in accordance with JESD-51. Unit mounted on 15mm*12mm*1.6mm AL pad attach 195mm*195mm*10mm steel plate

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RATING AND CHARACTERISTIC CURVES (TMBF202 THRU TMBF210)



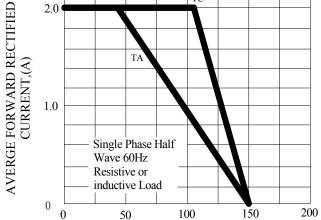


FIG.3-MAXIMUN NON-REPETITIVE FORWARD SURGE CURRENT

AMBIENT, CASE TEMPERTURE, (°C)

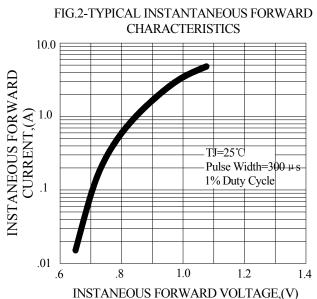
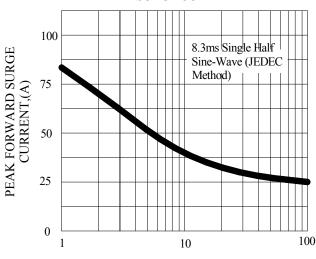
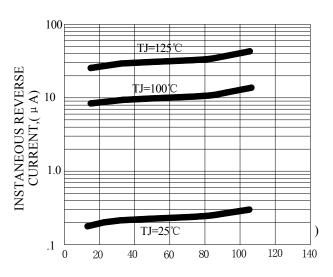


FIG.4-TYPICAL REVERSE CHARACTERISTICS

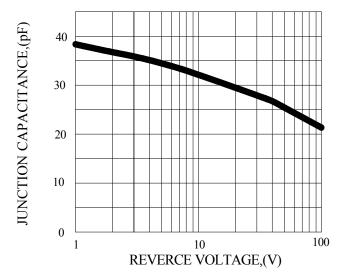






PERCENT OF RATED PEAK REVERSE VOLTAGE,(%

FIG.5-TYPIAL JUNCTION CAPAOTANCE



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