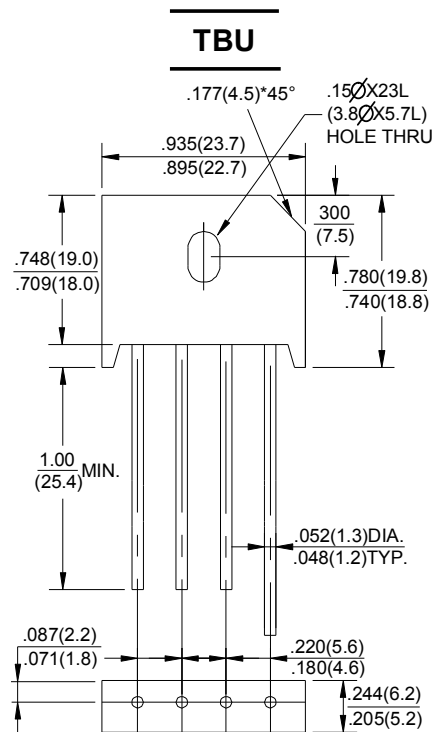


**GLASS PASSIVATED  
BRIDGE RECTIFIERS**

REVERSE VOLTAGE - 50 to 1000Volts  
FORWARD CURRENT - 25.0 Amperes

**FEATURES**

- Surge overload rating -300 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Plastic material has U/L flammability classification 94V-0
- Mounting position: Any



Dimensions in inches and (millimeters)

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	TBU 25005G	TBU 2501G	TBU 2502G	TBU 2504G	TBU 2506G	TBU 2508G	TBU 2510G	UNIT	
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V	
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V	
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V	
Maximum Average Forward (with heatsink Note 1) Rectified Current @ Tc=100°C (without heatsink)	I(AV)	25.0								A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	IFSM	300								A
Maximum Forward Voltage at 12.5A DC	VF	1.1								V
Maximum DC Reverse Current @ Tj=25°C at Rated DC Blocking Voltage @ Tj=125°C	IR	10								µA
Operating Temperature Range	TJ	-55 to +150								°C
Storage Temperature Range	TSTG	-55 to +150								°C

NOTES: 1. Device mounted on 100mm\*100mm\*1.6mm Cu plate heatsink.

FIG.1-MAXIMUM FORWARD SURGE CURRENT

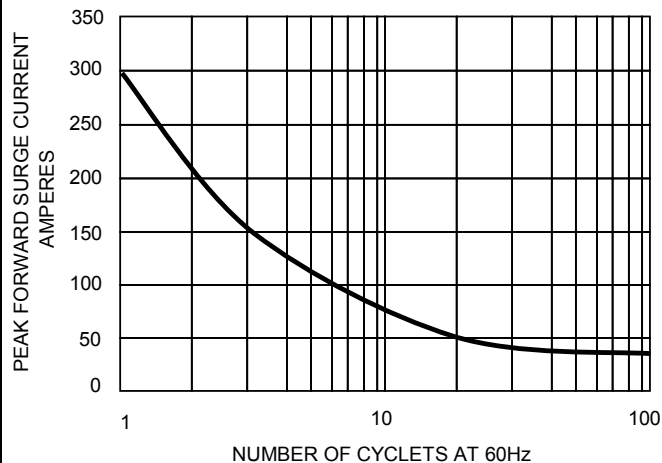


FIG. 2 – DERATING CURVE OUTPUT RECTIFIED CURRENT

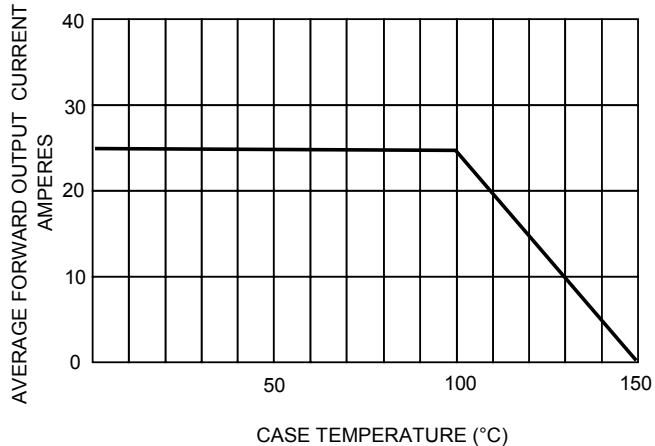


FIG.3- TYPICAL FORWARD CHARACTERISTICS

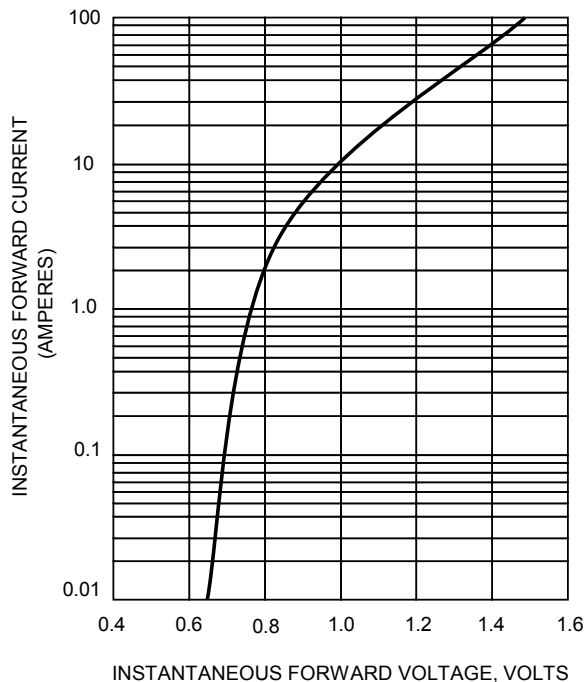


FIG.4- TYPICAL REVERSE CHARACTERISTICS

