

<b>GLASS PASSIVATED BRIDGE RECTIFIERS</b>	<p>REVERSE VOLTAGE - 50 to 1000Volts FORWARD CURRENT - 15.0 Amperes</p>
<p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>● Surge overload rating -250 amperes peak</li> <li>● Ideal for printed circuit board</li> <li>● Reliable low cost construction utilizing molded plastic technique</li> <li>● Plastic material has U/L flammability classification 94V-0</li> <li>● Mounting position: Any</li> </ul>	<p>Dimensions in inches and (millimeters)</p>

**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 15005G	TBU 1501G	TBU 1502G	TBU 1504G	TBU 1506G	TBU 1508G	TBU 1510G	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)	IAV	15.0						3.2		A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	IFSM	250								A
Maximum Forward Voltage at 7.5A DC	VF	1.1								V
Maximum DC Reverse Current @ Tj=25°C at Rated DC Blocking Voltage @ Tj=125°C	IR	10						500		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

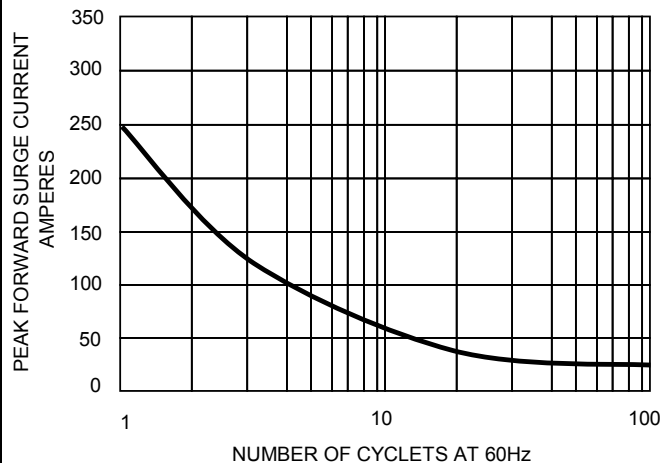


FIG. 2 – DERATING CURVE OUTPUT RECTIFIED CURRENT

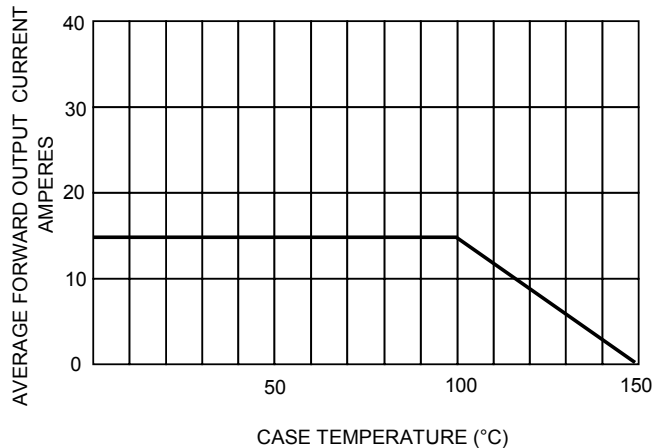


FIG.3– TYPICAL FORWARD CHARACTERISTICS

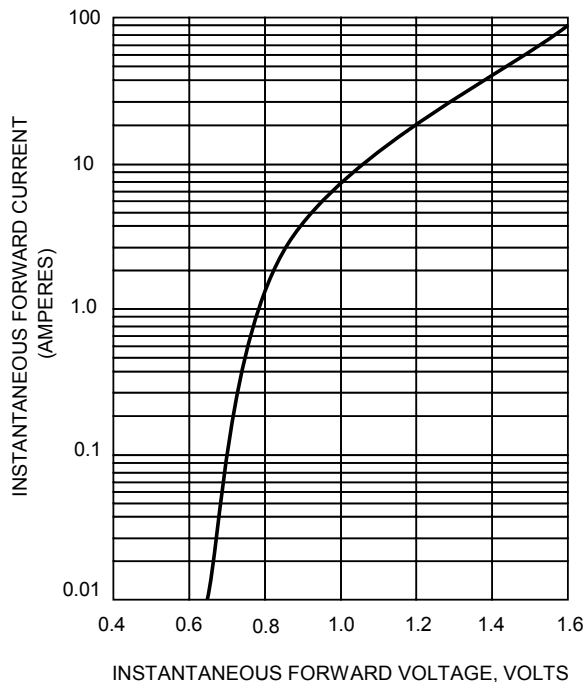


FIG.4– TYPICAL REVERSE CHARACTERISTICS

