



TBU35005G thru TBU3510G

GLASS PASSIVATED BRIDGE RECTIFIERS	REVERSE VOLTAGE - 50 to 1000Volts FORWARD CURRENT - 35.0 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	TBU 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 35005G	TBU 3501G	TBU 3502G	TBU 3504G	TBU 3506G	TBU 3508G	TBU 3510G	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)	35.0 4.2							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 17.5A 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.



RATING AND CHARACTERISTIC CURVES
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FIG.1-MAXIMUM FORWARD SURGE CURRENT

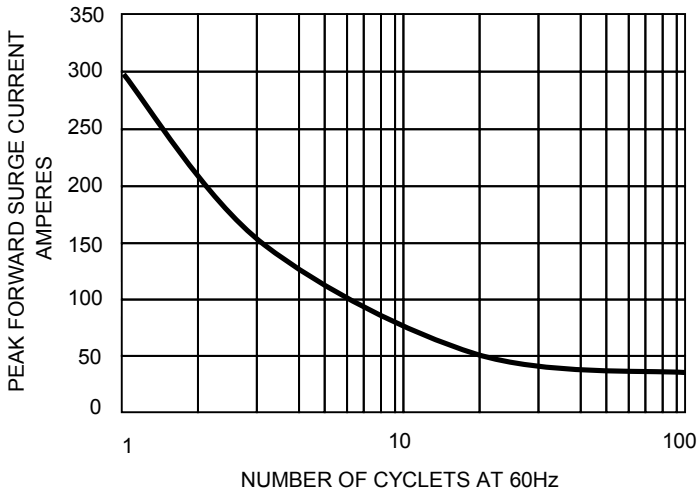


FIG. 2 – DERATING CURVE OUTPUT RECTIFIED CURRENT

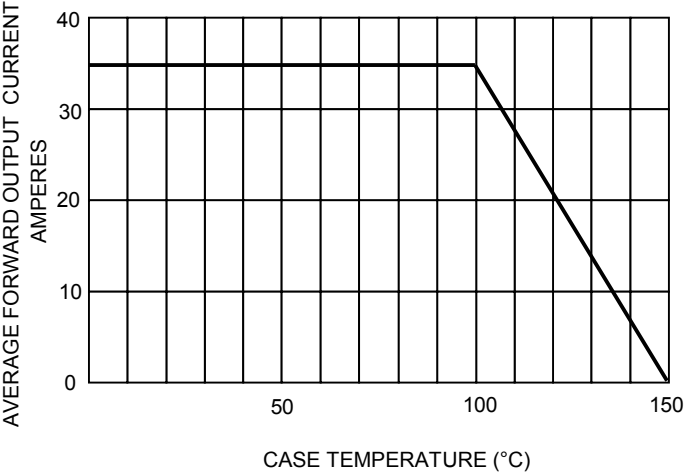


FIG.3- TYPICAL FORWARD CHARACTERISTICS

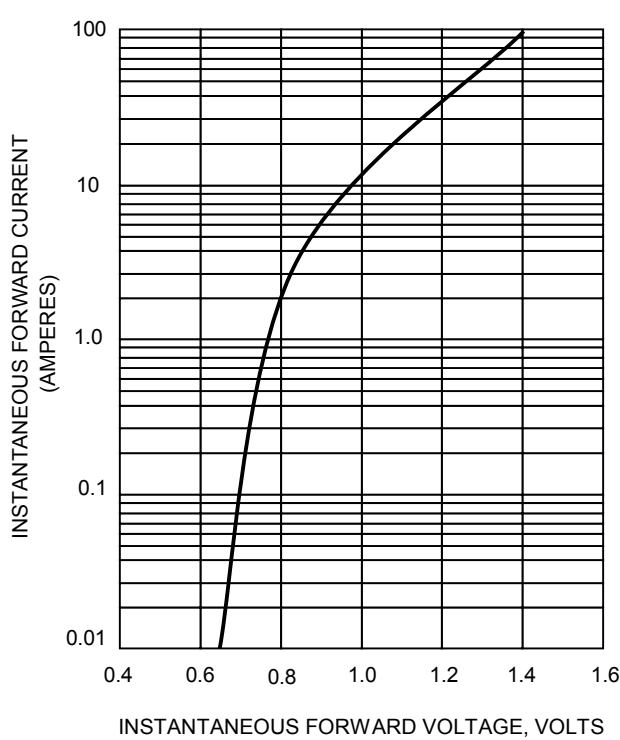


FIG.4- TYPICAL REVERSE CHARACTERISTICS

