

<b>GLASS PASSIVATED BRIDGE RECTIFIERS</b>	<b>REVERSE VOLTAGE - 50 to 1000Volts</b> <b>FORWARD CURRENT - 35.0 Amperes</b>
<p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>● Surge overload rating -300 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 style="text-align: center;">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	KBU 35005G	KBU 3501G	KBU 3502G	KBU 3504G	KBU 3506G	KBU 3508G	KBU 3510G	UNIT
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V <sub>RMS</sub>	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	50	100	200	400	600	800	1000	V
Maximum Average Forward (with heatsink Note 1) Rectified Current @ T <sub>C</sub> =100°C (without heatsink)	I <sub>(AV)</sub>	35.0 4.2							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I <sub>FSM</sub>	300							A
Maximum Forward Voltage at 17.5A DC	V <sub>F</sub>	1.1							V
Maximum DC Reverse Current @ T <sub>J</sub> =25°C at Rated DC Blocking Voltage @ T <sub>J</sub> =125°C	I <sub>R</sub>	10 500							µA
Operating Temperature Range	T <sub>J</sub>	-55 to +150							°C
Storage Temperature Range	T <sub>STG</sub>	-55 to +150							°C

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

FIG.1-MAXIMUM FORWARD SURGE CURRENT

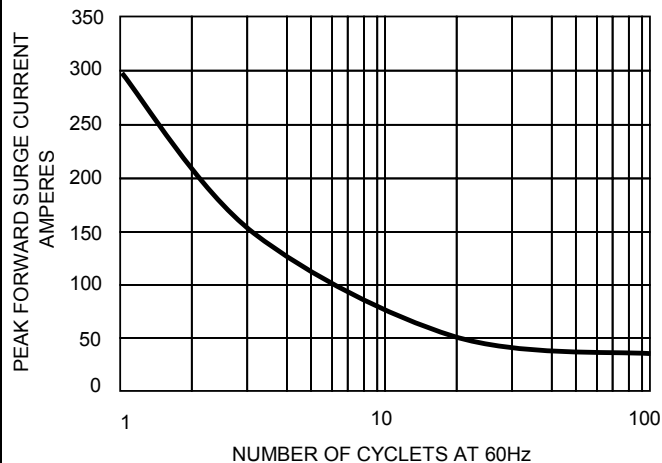


FIG. 2 – DERATING CURVE OUTPUT RECTIFIED CURRENT

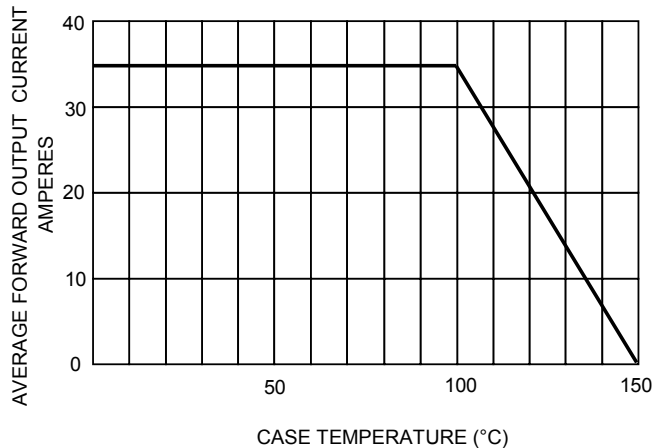


FIG.3- TYPICAL FORWARD CHARACTERISTICS

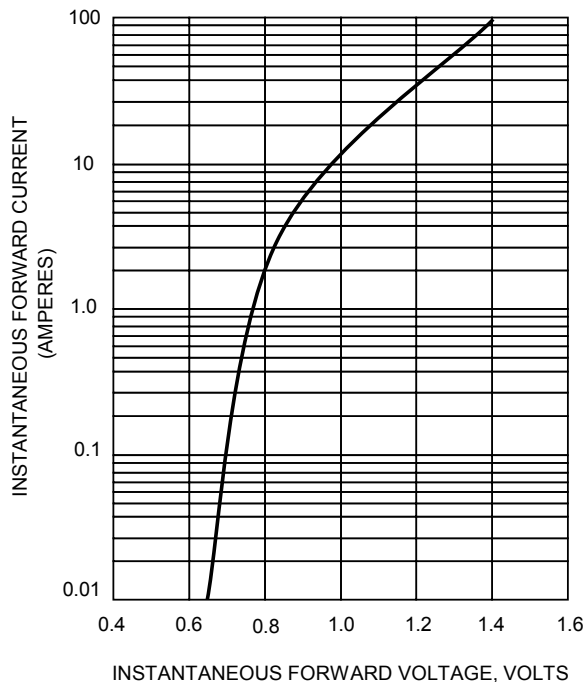


FIG.4- TYPICAL REVERSE CHARACTERISTICS

