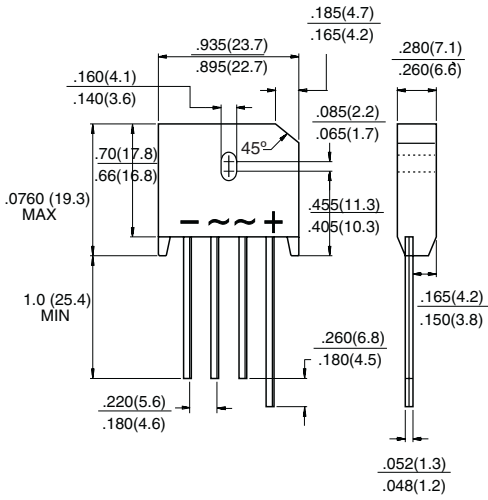


8.0 Amp. Glass Passivated Bridge Rectifiers

Dimensions in mm. KBU	Voltage 400 V to 1000 V	Current 8.0 A
	<ul style="list-style-type: none"> Glass passivated chip junction Ideal for printed circuit board Reliable low cost construction High temperature soldering guaranteed: 260 °C / 10 seconds / 9.5mm, lead lengths. Surge overload rating to 200 amperes peak High case dielectric strength 	
	MECHANICAL DATA <ul style="list-style-type: none"> Case: Molded plastic body. Mounting position: Any Mounting torque: 5 in. lbs. Max. Plastic material has Underwriters Laboratory Flammability Classification 94V-0 	

Maximum Ratings and Electrical Characteristics at 25 °C

		KBU 804G	KBU 805G	KBU 806G	KBU 807G
V_{RRM}	Maximum Recurrent Peak Reverse Voltage (V)	400	600	800	1000
V_{RMS}	Maximum RMS Voltage (V)	280	420	560	700
V_{DC}	Maximum DC Blocking Voltage (V)	400	600	800	1000
$I_{F(AV)}$	Maximum Average Forward Rectified Current @ $T_A = 65\text{ °C}$	8.0 A			
I_{FSM}	Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC Method)	200 A			
T_j	Operating Temperature Range	-55 to +150 °C			
T_{stg}	Storage Temperature Range	-55 to +150 °C			

Electrical Characteristics at $T_{amb} = 25\text{ °C}$

V_F	Maximum Instantaneous Forward Voltage @ = 4.0 A @ = 8.0 A	1.0 V 1.1 V
I_R	Maximum DC Reverse Current @ $T_A = 25\text{ °C}$ at Rated DC Blocking Voltage @ $T_A = 125\text{ °C}$	5.0 μ A 500 μ A
$R_{th(j-a)}$ $R_{th(j-c)}$	Typical Thermal Resistance (Note1)	18 °C/W 3.0 °C/W

Notes: 1. Units case mounted on 4.0" x 6.0" x 0.25" Al. Plate heat sink.

Rating And Characteristic Curves

FIG.1- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT PER BRIDGE ELEMENT

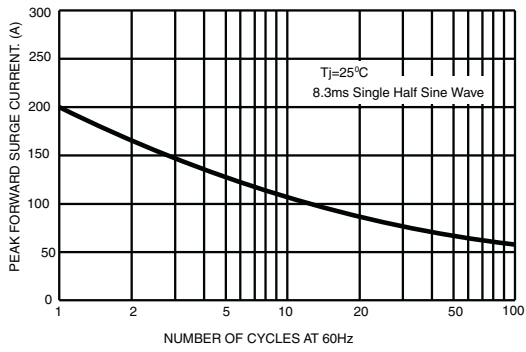


FIG.2- MAXIMUM FORWARD CURRENT DERATING CURVE

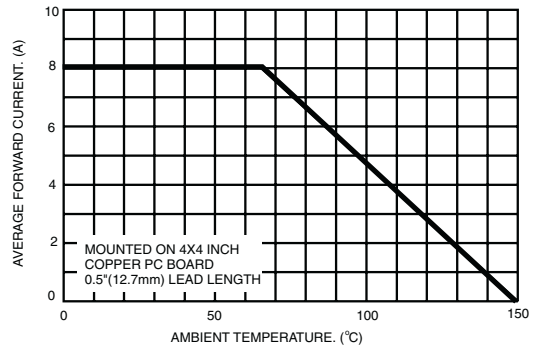


FIG.3- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

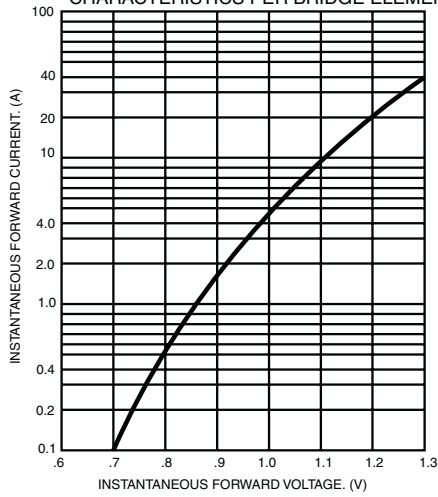


FIG.4- TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT

