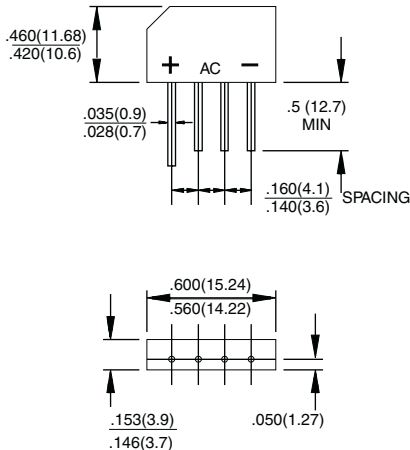


1.0 Amp. Glass Passivated Bridge Rectifiers

Dimensions in mm.	KBP	Voltage 400 V to 1000 V	Current 1.0 A
 Top View Dimensions: Overall width: .460 (11.68) / .420 (10.6) Lead spacing: .035 (0.9) / .028 (0.7) Lead width: .160 (4.1) / .140 (3.6) Mounting hole spacing: .600 (15.24) / .560 (14.22) Mounting hole diameter: .153 (3.9) / .146 (3.7) Lead height: .5 (12.7) MIN Side View Dimensions: Case height: .153 (3.9) / .146 (3.7) Mounting hole diameter: .050 (1.27)		• Glass passivated chip junction • Ideal for printed circuit board • Reliable low cost construction • High temperature soldering guaranteed: 260 °C / 10 seconds at 5 lbs., (2.3 kg) tension.	
		MECHANICAL DATA • Case: Molded plastic body. • Mounting position: Any • Leads solderable per MIL-STD-202, Method 208.	

Maximum Ratings and Electrical Characteristics at 25 °C

		KBP 104G	KBP 105G	KBP 106G	KBP 107G
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 @ $T_A = 50\text{ °C}$	1.0 A			
I_{FSM}	Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC Method)	30 A			
T_j	Operating Temperature Range	-55 to +150 °C			
T_{stg}	Storage Temperature Range	-55 to +150 °C			

Electrical Characteristics at Tamb = 25 °C

V_F	Maximum Instantaneous Forward Voltage @ = 1.0 A	1.0 V
I_R	Maximum DC Reverse Current @ $T_A = 25\text{ °C}$ at Rated DC Blocking Voltage @ $T_A = 125\text{ °C}$	10.0 μ A 500 μ A
$R_{th(j-a)}$ $R_{th(j-l)}$	Typical Thermal Resistance (Note)	28°C/W 10°C/W

Notes: Thermal Resistance from Junction to Ambient and from Junction to lead Mounted on P.C.B.
With 0.2" x 0.2" (5mm x 5 mm) Copper Pads.

Rating And Characteristic Curves

FIG.1- MAXIMUM FORWARD CURRENT DERATING CURVE

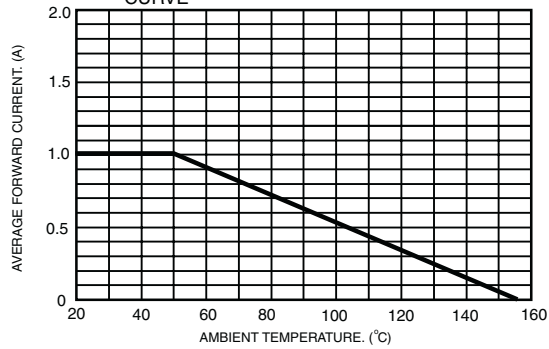


FIG.2- TYPICAL REVERSE CHARACTERISTICS

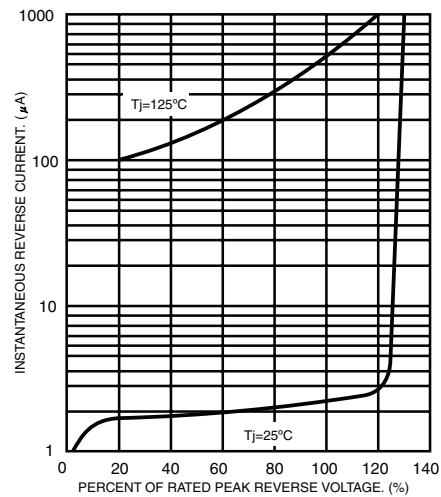


FIG.3- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT PER BRIDGE ELEMENT

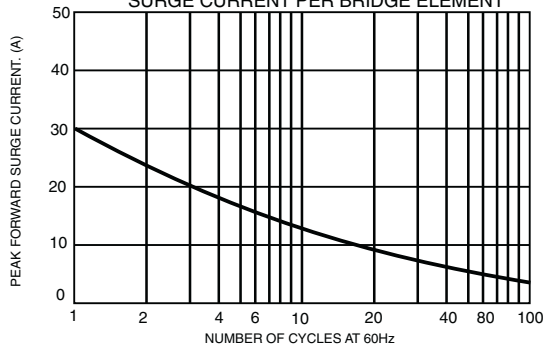


FIG.4- TYPICAL JUNCTION CAPACITANCE

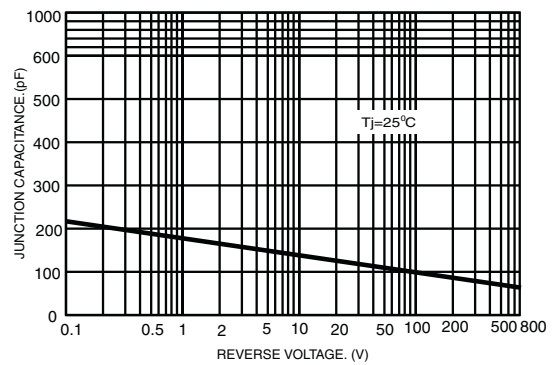


FIG.5- TYPICAL FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

