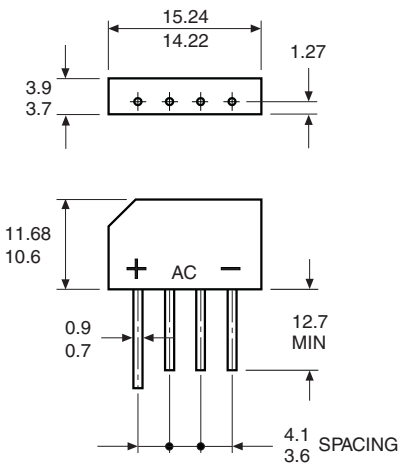


1.5 Amp. Glass Passivated Bridge Rectifiers

Dimensions in mm.	KBP	Voltage 400 V to 1000 V	Current 1.5 A
 The drawing shows two views of the component. The top view is a rectangle with dimensions 15.24 mm (width) and 14.22 mm (length). It has four mounting holes, each with a diameter of 3.9 mm. The distance between the centers of the holes is 3.7 mm. The side view shows a height of 11.68 mm. The component has three leads: a center lead labeled 'AC' and two side leads labeled '+' and '-'. The distance from the center lead to the side leads is 0.9 mm. The distance between the side leads is 0.7 mm. The distance from the center lead to the mounting holes is 12.7 mm (minimum). The distance between the mounting holes is 4.1 mm (spacing) and 3.6 mm (spacing).		• 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 154G	KBP 155G	KBP 156G	KBP 157G
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 @ $T_A = 50\text{ °C}$	1.5 A			
I_{FSM}	Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC Method)	50 A			
T_j	Operating Temperature Range	-55 to +150 °C			
T_{stg}	Storage Temperature Range	-55 to +150 °C			

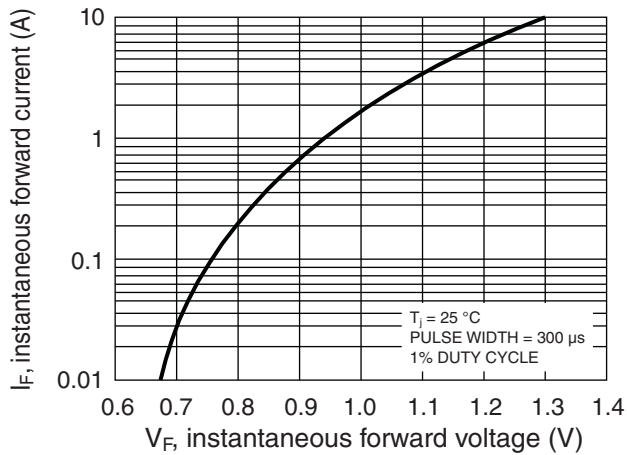
Electrical Characteristics at $T_{amb} = 25\text{ °C}$

V_F	Maximum Instantaneous Forward Voltage @ = 1.5 A	1.1 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
$R_{th(j-a)}$	Typical Thermal Resistance (Note)	40 °C/W
$R_{th(j-l)}$		13 °C/W

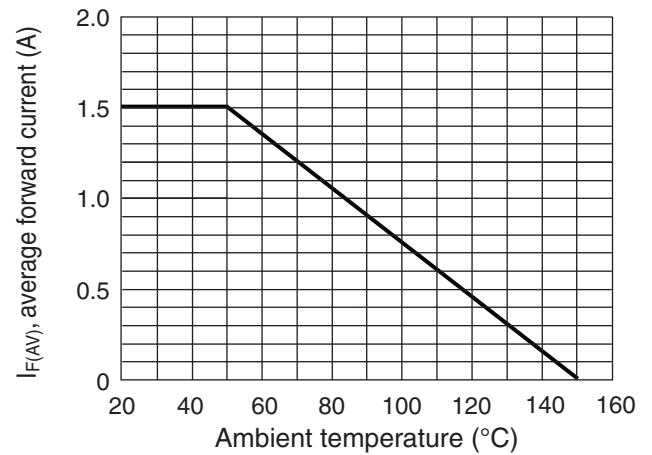
Note: Thermal Resistance from Junction to Ambient and from Junction to Lead Mounted on P.C.B. with 0.4" x 0.4" (10 mm x 10 mm) Copper Pads.

Rating And Characteristic Curves

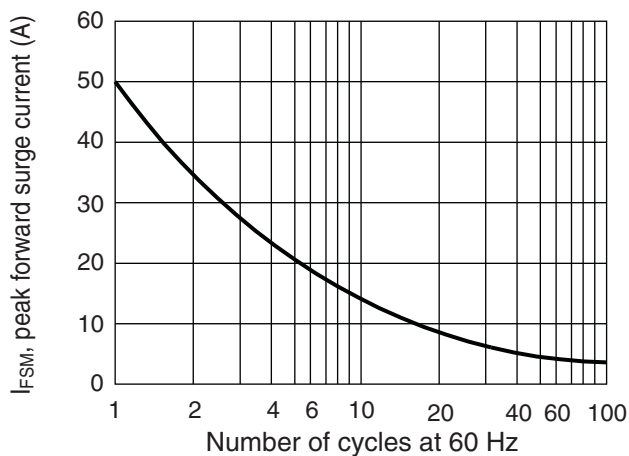
TYPICAL FORWARD CHARACTERISTICS
PER BRIDGE ELEMENT



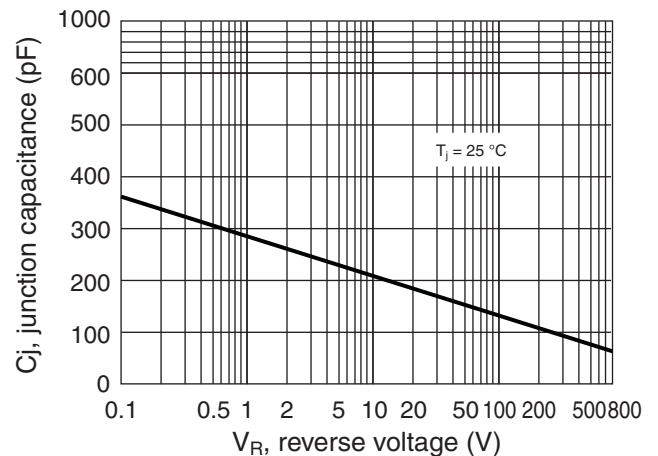
MAXIMUM FORWARD CURRENT DERATING
CURVE



MAXIMUM NON-REPETITIVE FORWARD
SURGE CURRENT PER BRIDGE ELEMENT



TYPICAL JUNCTION CAPACITANCE



TYPICAL REVERSE CHARACTERISTICS

