

KBP101G - KBP107G



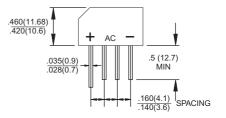
Single Phase 1.0 AMP. Glass Passivated Bridge Rectifiers

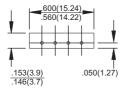
KBP



Features

- ♦ UL Recognized File # E-96005
- ♦ Glass passivated junction
- ♦ Ideal for printed circuit board
- ♦ Reliable low cost construction
- ♦ High surge current capability
- High temperature soldering guaranteed: 260 °C / 10 seconds at 5 lbs., (2.3 kg) tension
- Leads solderable per MIL-STD-202, Method 208
- ♦ Small size, simple installation





Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics

Rating at 25 °C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%

Type Number	Symbol	KBP 101G	KBP 102G	KBP 103G	KBP 104G	KBP 105G	KBP 106G	KBP 107G	Units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @T _A = 50 °C	I _(AV)	1.0							Α
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	30							Α
Maximum Instantaneous Forward Voltage @ 1.0A	V _F	1.0							V
Maximum DC Reverse Current @ T_A =25 °C at Rated DC Blocking Voltage @ T_A =125 °C	I_{R}	10 500							uA uA
Typical Thermal resistance (Note)	$R_{ heta JA} \ R_{ heta JL}$	28 10							°C/W
Operating Temperature Range	TJ	-55 to +150							°C
Storage Temperature Range	T _{STG}	-55 to +150							°C

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



RATINGS AND CHARACTERISTIC CURVES (KBP101G THRU KBP107G)

