

KBP201G THRU KBP207G

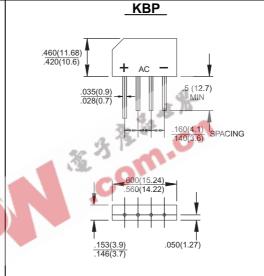
Single Phase 2.0 AMPS. Glass Passivated Bridge Rectifiers



Voltage Range 50 to 1000 Volts Current 2.0 Amperes

Features

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



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 201G	KBP 202G	KBP 203G	KBP 204G	KBP 205G	KBP 206G	KBP 207G	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)				2.0				Α
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	60							Α
Rating For Fusing (t<8.35ms)	I_{t}^{2}	15							A ² sec
Maximum Instantaneous Forward Voltage @ 3.14A	V_{F}	1.2							V
Maximum DC Reverse Current @ T _A =25°C	-	10							uA
at Rated DC Blocking Voltage @ T _A =125℃	I _R	500							uA
Typical Thermal Resistance (Note)	$R\theta_{JA}$	25							℃ /W
	$R heta_{JL}$				8				5
Operating Temperature Range	TJ	-55 to +150							Ç
Storage Temperature Range	T _{STG}	-55 to +150							Ç

Note: Thermal Resistance from Junction to Ambient and from Junction to Lead Mounted on P.C.B. With 0.47 x 0.47" (12 x 12mm) Copper Pads.



RATINGS AND CHARACTERISTIC CURVES (KBP201G THRU KBP207G) FIG.1- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT PER BRIDGE ELEMENT PEAK FORWARD SURGE CURRENT. (A) 40 30 20 NUMBER OF CYCLES AT 60Hz

