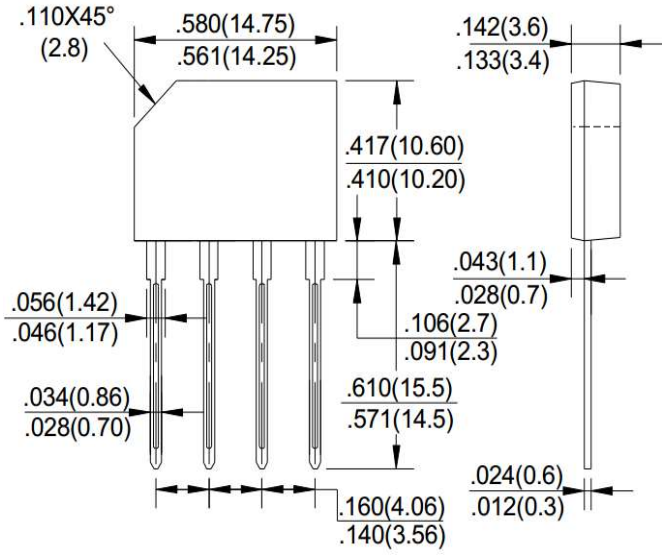
Glass Passivated Bridge Rectifiers
Reverse Voltage 50 to 1000 Volts Forward Current 2.0 Amperes

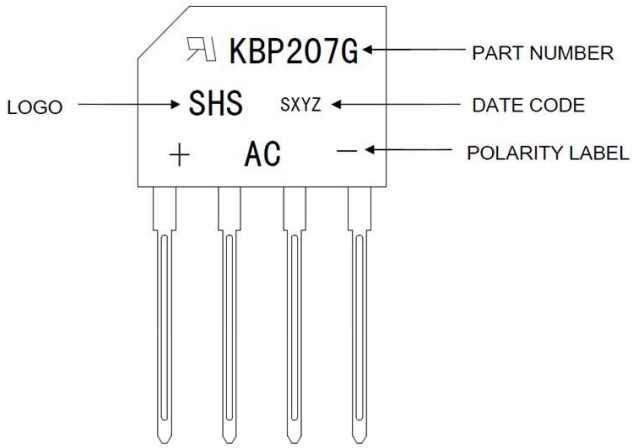
Features
- Glass passivated junction
- Ideal for printed circuit board
- Reliable low cost construction technique results in inexpensive product
- High temperature soldering guaranteed: 260 °C / 10 seconds at 5 lbs. (2.3 Kg) tension
- Small size, simple installation
- Leads solderable per MIL-STD-202,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

KBP(SIP)



Dimensions in inches and (millimeters)

Marking



Maximum Ratings & Electrical Characteristics

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

Parameter	Symbol	KBP 201G	KBP 202G	KBP 203G	KBP 204G	KBP 205G	KBP 206G	KBP 207G	Unit	Remark
Maximum Repetitive 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	$I_F(AV)$	2.0							A	
Peak Forward Surge Current 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	60							A	
Peak Forward Surge Current 1.0 ms Single Half Sine-wave	I_{FSM}	150							A	
Maximum Instantaneous Forward Voltage @ 2.0A	V_F	1.1							V	
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	10.0							uA	Ta=25℃
		1.0							mA	Ta=100℃
Rating For Fusing (t<8.3ms)	I^2t	14.94							A^2S	
Operating Temperature Range	T_J	-55 to +150							℃	
Storage Temperature Range	T_{STG}	-55 to +150							℃	

Ratings and Characteristics Curves (Ta=25°C unless otherwise noted)

Fig.1 Forward Current Derating Curve

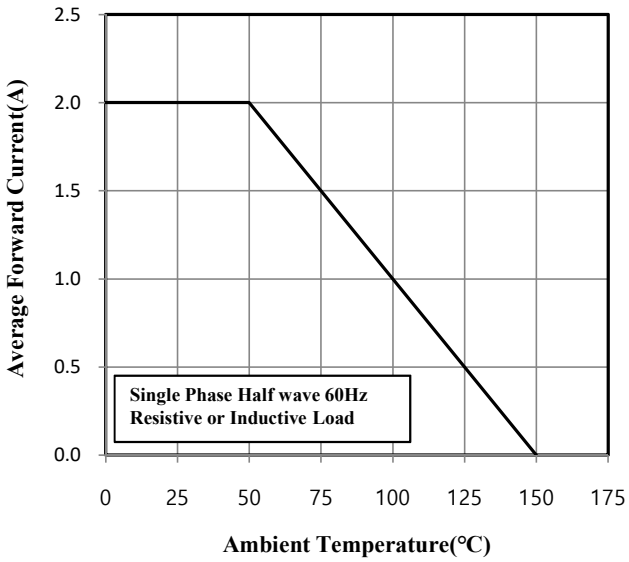


Fig.2 Maximum Non-Repetitive Peak Forward Surge Current Per Bridge Element

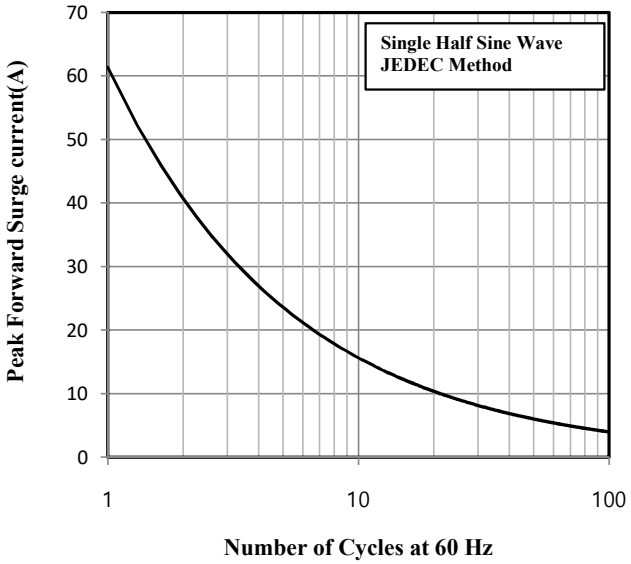


Fig.3 Typical Instantaneous Forward Characteristics Per Bridge Element

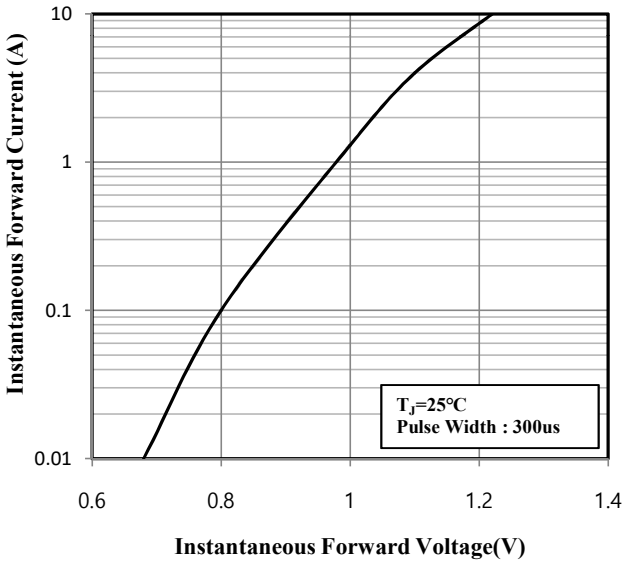


Fig.4 Typical Reverse Charateristics