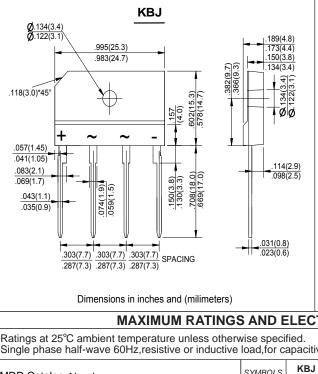


# **KBJ6005 THRU KBJ610**

## GLASS PASSIVATED BRIDGE RECTIFIERS

Reverse Voltage - 50 to 1000 Volts Forward Current - 6.0 Amperes



#### **FEATURES**

- Rating to 1000V PRV
- Ideal for printed circuit board
- Low forward voltage drop, high current capability
- Reliable low cost construction utilizing molded plastic
- The plastic material has U/L flammability classification 94V-0

#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

MDD Catalog Number	SYMBOLS	KBJ 6005	KBJ 601	KBJ 602	KBJ 604	KBJ 606	KBJ 608	KBJ 610	UNITS
Maximum repetitive peak reverse voltage	Vrrm	50	100	200	400	600	800	1000	VOLTS
Maximum RMS voltage	Vrms	35	70	140	280	420	560	700	VOLTS
Maximum DC blocking voltage	Vdc	50	100	200	400	600	800	1000	VOLTS
Maximum average forward(with heatsink NOTE 2)	6.0								Amps
Rectified current @Tc=100°C(without heatsink)	l(AV)	2.8							
Peak forward surge current									
8.3ms single half sine-wave superimposed on	Ігѕм 170.0							Amps	
rated load (JEDEC Method)									
Rating for Fusing(t<8.3ms)	l <sup>2</sup> t	120							A²s
Maximum forward voltage at 3.0A DC	Vf	1.0							Volts
Maximum forward voltage at 6.0A DC	Vf	1.1							Volts
Maximum DC reverse current TA=25°C	IR	10							μA
at rated DC blocking voltage Ta=125°C	IR	500							μΑ
Typical Junction Capacitance (Note 1)	Сл	55							pF
Typical Thermal Resistance (Note 2)	Reja	1.8							°C/W
Operating junction temperature range	TJ	-55 to +150							°C
storage temperature range	Тѕтс	-55 to +150							°C

NOTES: 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

2.Device mounted on 75mm\*75mm\*1.6mm cu plate heatsink.

3.The typical data above is for reference only(典型值仅供参考).

### **RATINGS AND CHARACTERISTIC CURVES KBJ6005 THRU KBJ610**

