KBJ1001 THRU **KBJ1007**

SINGLE PHASE 10.0 AMP BRIDGE RECTIFIERS





FEATURES

- * Ideal for printed circuit board
- * Low forward voltage
- * Low leakage current
- * Mounting position: Any



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

TYPE NUMBER	KBJ100	1 KBJ1002	KBJ1003	KBJ1004	KBJ1005	KBJ1006	KBJ1007	UNITS
Maximum Recurrent Peak Reverse Voltage		100	200	400	600	800	1000	V
Maximum RMS Voltage		70	140	280	420	560	700	V
Maximum DC Blocking Voltage		100	200	400	600	800	1000	V
Maximum Average Forward (with heatsink Note 1)		10.0						
Rectified Current at Tc=110°C (Without heatsink)		3.0						
Peak Forward Surge Current, 8.3 ms single half sine-wave								
superimposed on rated load (JEDEC method)		170						
Maximum Forward Voltage Drop per Bridge Element at 5.0A D.C.		1.1						
Maximum DC Reverse Current Ta=25℃		5.0					μA	
at Rated DC Blocking Voltage Ta=100°C				500				μA
Typical Thermal Resistance RθJc (Note 2)		1.9						
Typical Junction Capacitance (Note 3)		55						
Operating Temperature Range, TJ		-55—+150						
Storage Temperature Range, Tstg		-55 +150						

NOTES

1. Device mounted on 150mm x 150mm x 1.6mm Cu Plate Heatsink.

2. Thermal Resistance from Junction to Case with device mounted on 150mm x 150mm x 1.6mm Cu Plate Heatsink.

3. Measured at 1MHz and applied Reverse Voltage of 4.0V D.C.



RATING AND CHARACTERISTIC CURVES (KBJ1001 THRU KBJ1007)