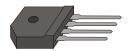
KBJ801 THRU KBJ807



SINGLE PHASE 8.0 AMP BRIDGE RECTIFIERS

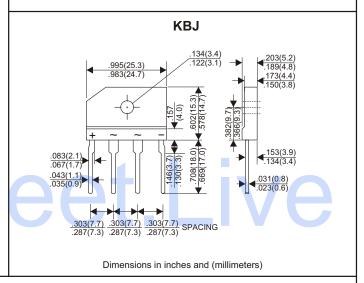


FEATURES

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

Datash

VOLTAGE RANGE 50 to 1000 Volts CURRENT 8.0 Amperes



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

TYPE NUMBER		KBJ801	KBJ802	KBJ803	KBJ804	KBJ805	KBJ806	KBJ807	UNITS
Maximum Recurrent Peak Reverse Voltage		50	100	200	400	600	800	1000	V
Maximum RMS Voltage		35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage		50	100	200	400	600	800	1000	V
Maximum Average Forward (with heatsink Note 1)		8.0							Α
Rectified Current at Tc=110°C (Without heatsink)		2.9							Α
Peak Forward Surge Current, 8.3 ms single half sine-wave									
superimposed on rated load (JEDEC method)		170							Α
Maximum Forward Voltage Drop per Bridge Element at 4.0A D.C.		1.0							V
Maximum DC Reverse Current	Ta=25°C	5.0					Α		
at Rated DC Blocking Voltage	Ta=100°C				500				Α
Typical Thermal Resistance R ыс (Note 2)		2.8							°C/W
Typical Thermal Resistance R JL (Note 3)		5.5							°C/W
Operating Temperature Range, TJ		-55 — + 150							°C
Storage Temperature Range, Tsтс		-55 —+150							°C

NOTES

- 1. Device mounted on 100mm x 100mm x 1.6mm Cu Plate Heatsink.
- 2. Thermal Resistance from Junction to Case with device mounted on 100mm x 100mm x 1.6mm Cu Plate Heatsink.
- 3. Thermal Resistance from Junction to Lead without Heatsink.

RATING AND CHARACTERISTIC CURVES (KBJ801 THRU KBJ807)

