KBJ4A~KBJ4M

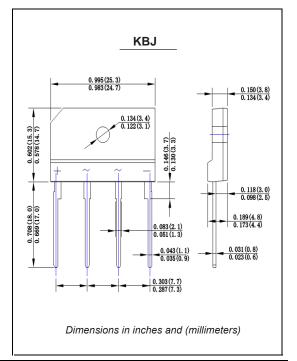
Single Phase 4.0Amp Glass passivated Bridge Rectifiers

Features

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- Idea for printed circuit board
- Glass passivated Junction chip
- Low reverse leakage
- High forward surge current capability
- High temperature soldering guaranteed 250°C/10 seconds at terminals

Mechanical Data

Case: Molded plastic body Terminals: Solder plated, solderable per MIL-STD-750, Method 2026 Polarity: Polarity symbol marking on body Mounting Position: Any



Maximum Ratings And Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

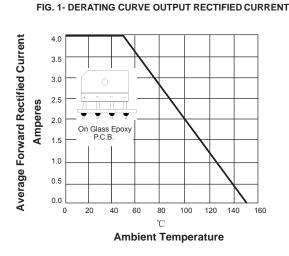
	SYMBOLS	KBJ 4A	KBJ 4B	KBJ 4D	KBJ 4G	KBJ 4J	KBJ 4K	KBJ 4M	UNITS
Maximum repetitive peak reverse voltage	Vrrm	50	100	200	400	600	800	1000	VOLTS
Maximum RMS voltage	Vrms	35	70	140	280	420	560	700	VOLTS
Maximum DC blocking voltage	Vdc	50	100	200	400	600	800	1000	VOLTS
Maximum average forward rectified current at TL=50°C	l(AV)	4.0							Amp
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	120							Amps
Maximum instantaneous forward voltage at 2.0A	Vf	1.1							Volts
Maximum DC reverse current T = 25°C at rated DC blocking voltage Ta=125°C	lR	5.0 500							uA
Typical junction capacitance (Note 1)	CJ	25.0							pF
Typical thermal resistance (Note 2)	Rqja	16							°C/W
Operating junction and storage temperature range	Тј,Тѕтс	-50 to +150							°C

Note: 1.Measured at 1MHz and applied reverse voltage of 4.0V D.C.

2.Mounted on PCB with 12*12mm copper pad

Shanghai Sinble Electronics Co.,Ltd

Ratings And Characteristic Curves KBJ4A THRU KBJ4M



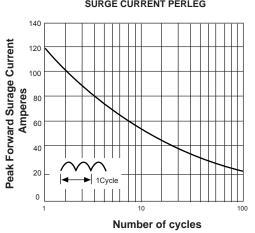


FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PERLEG

FIG. 3-TYPICAL FORWARD VOLTAGE CHARACTERISTICS

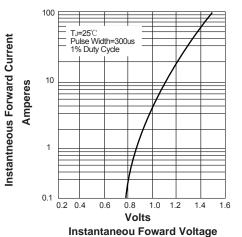


FIG. 5-TYPICAL JUNCTION CAPACTITANE

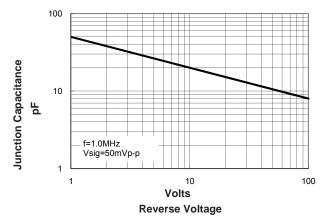
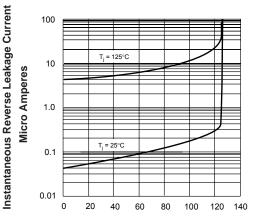


FIG. 4-TYPICAL REVERSE LEAKAGE CHARACTERISTICS



Percent Of Rated Peak Reverse Voltage(%)