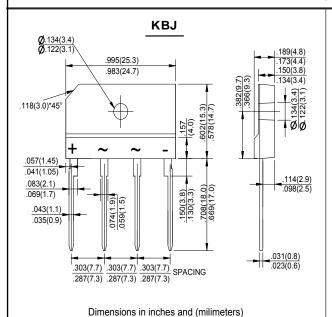


KBJ4005 THRU KBJ410

GLASS PASSIVATED BRIDGE RECTIFIERS

Reverse Voltage - 50 to 1000 Volts Forward Current - 4.0 Amperes



FEATURES

- Surge overload rating -135 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Plastic material has U/L lammability classification 94V-0
- Mounting postition: 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%.

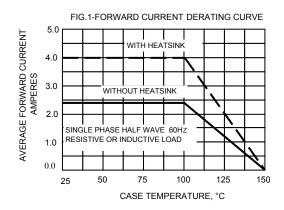
MDD Catalog Number	SYMBOLS	KBJ 4005	KBJ 401	KBJ 402	KBJ 404	KBJ 406	KBJ 408	KBJ 410	UNITS
Maximum repetitive peak reverse voltage	Vrrm	50	100	200	400	600	800	1000	VOLTS
Maximum RMS voltage	VRMS	35	70	140	280	420	560	700	VOLTS
Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	VOLTS
Maximum average forward(with heatsink NOTE 2) Rectified current @Tc=100°C(without heatsink)	l(AV)	4.0 2.4							Amps
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	İfsm	135.0							Amps
Rating for Fusing(t<8.3ms)	l ² t	75.63							A²s
Maximum forward voltage at 2.0A DC	VF	1.0							Volts
Maximum forward voltage at 4.0A DC	VF	1.1							Volts
Maximum DC reverse current TA=25°C	l _R	10							μΑ
at rated DC blocking voltage Ta=125°C	IK	500							μΑ
Typical Junction Capacitance (Note 1)	C1	45							pF
Typical Thermal Resistance (Note 2)	RθJA	2.2							°C/W
Operating junction temperature range	Τυ	-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.

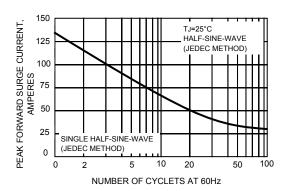
- 2.Device mounted on 75mm*75mm*1.6mm cu plate heatsink.
- 3.The typical data above is for reference only(典型值仅供参考).



RATINGS AND CHARACTERISTIC CURVES KBJ4005 THRU KBJ410









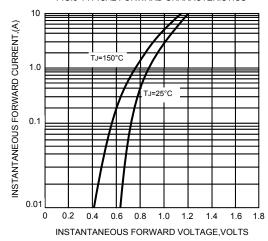
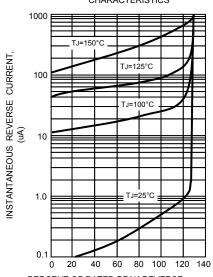
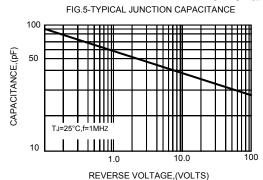


FIG.4-TYPICAL REVERSE CHARACTERISTICS



PERCENT OF RATED PEAK REVERSE



The cruve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!

