

KBJ25005 thru KBJ2510

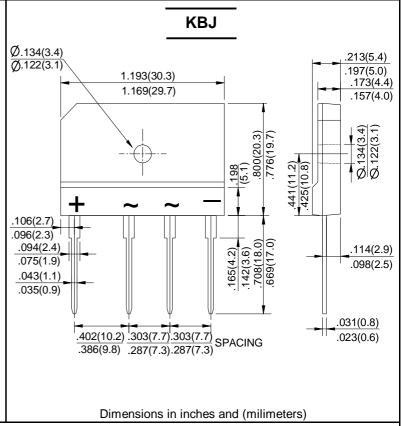
SILICON BRIDGE RECTIFIERS

REVERSE VOLTAGE FORWARD CURRENT

- 50 to 1000 Volts
- 25 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 technique results in inexpensive product
- The plastic material has UL flammability classification 94V-0



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave ,60Hz, resistive or inductive load.

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CHARACTERISTICS	SYMBOL	KBJ 25005	KBJ 2501	KBJ 2502	KBJ 2504	KBJ 2506	KBJ 2508	KBJ 2510	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	30	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward (with heatsink Note 2) Rectified Current @ Tc=100℃ (without heatsink)	I(AV)	25.0 4.2							А
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	IFSM	SM 400							А
Maximum Forward Voltage at 12.5A DC	VF	1.1							V
Maximum DC Reverse Current @ TJ=25°C at Rated DC Blocking Voltage @ TJ=125°C	lR	10 500							uA
I ² t Rating for Fusing (t<8.3ms)	l ² t	510							A ² s
Typical Junction Capacitance Per Element (Note1)	Cı	85							pF
Typical Thermal Resistance (Note2)	Rejc	0.6							°C/W
Operating Temperature Range	TJ	-55 to +125							$^{\circ}$
Storage Temperature Range	Tstg	-55 to +150							$^{\circ}$

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

2.Device mounted on 300mm*300mm*1.6mm cu plate heatsink.

RATING AND CHARACTERTIC CURVES KBJ25005 thru KBJ2510

