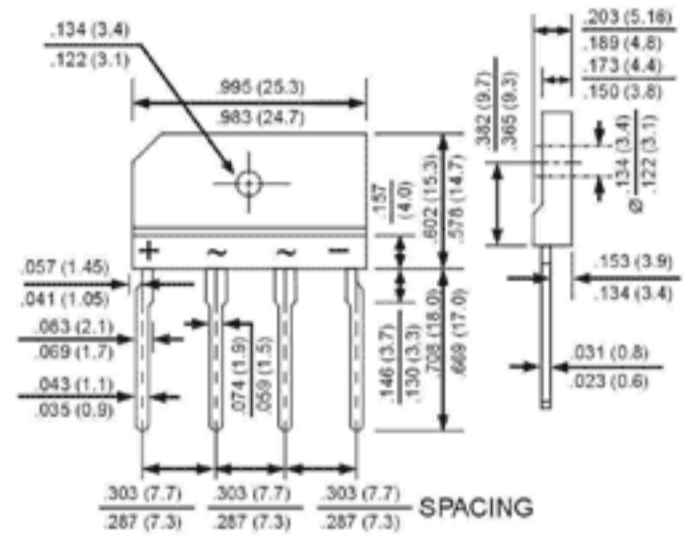


SILICON BRIDGE RECTIFIERS
REVERSE VOLTAGE - 50 to 1000 Volts
FORWARD CURRENT - 4.0 Amperes
FEATURES

- Surge overload rating - 150 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Plastic material has Underwriters Laboratory Flammability Classification 94V-0
- Mounting Position: Any


MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

CHARACTERISTICS	SYMBOL	KBJ 4A	KBJ 4B	KBJ 4D	KBJ 4G	KBJ 4J	KBJ 4K	KBJ 4M	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @T _c =100°C (with heatsink Note 2) @T _c =100°C (without heatsink)	I _{AV}					4.0			A
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load (JEDEC Method)	I _{FSM}					150			A
Maximum Forward Voltage at 3.0A DC	V _F					1.0			V
Maximum DC Reverse Current at Rated DC Blocking Voltage @T _J =25°C @T _J =125°C	I _R					5.0			uA
I ² t Rating for fusing (t<8.3ms)	I ² t					93			A ² S
Typical Junction Capacitance per element (Note 1)	C _J					45			pF
Typical Thermal Resistance (Note 2)	R _{θJC}					2.2			°C/W
Operating Temperature Range	T _J					-40 to +125			°C
Storage Temperature Range	T _{STG}					-40 to +125			°C

NOTES: 1. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.
 2. Device mounted on 50mm x 50mm x 1.6mm Cu Plate Heatsink.