Voltage Range - 50 to 1000 V Forward Current - 4 Amperes

SINGLE PHASE BRIDGE RECTIFIER

FEATURES

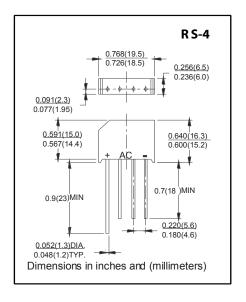
- Glass Passivated Chip Junction
- High forward surge current capability
 Ideal for printed circuit board
- High temperature soldering guaranteed:260 °C/10 second,
- 0.375" (9.5mm) lead length at 5 lbs.(2.3kg) tension.

MECHANICAL DATA

Case: Transfer molded plastic

Terminal: Lead solderable per MIL-STD-202E method 208C

Mounting Postition: AnyWeight: 0.22ounce, 6.21gram



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 derate current by 20%.

			SYMBOLS	KBL005	KBL01	KBL02	KBL04	KBL06	KBL08	KBL10	UNITS
Maximum Repetitive Peak Reverse Voltage			V_{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage			V_{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage			V_{DC}	50	100	200	400	600	800	1000	Volts
Rectified Output Current at		C(Note 2)	$I_{(AV)}$	4.0							Amps
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)			I_{FSM}	150							Amps
Rating for Fusing (t<8.3ms)			I ² t	93							A^2s
Maximum Instantaneous Forward Voltage Drop per bridge element at 4.0A			$V_{\rm F}$	1.0							Volts
Maximum DC Reverse Current at DC blocking voltage per element	rated	T _A =25°C	I_R	5							μAmps
		T _A =100 °C	1R	1.0							mAmps
Typical Junction Capacitance (Note 1)			$C_{\rm J}$	110							pF
Typical Thermal Resistance (Note 2)			$R_{\theta JA}$	13							°C/W
Operating and Storage Temperature Range			T_J, T_{STG}	-55 to +150							°C

NOTES:

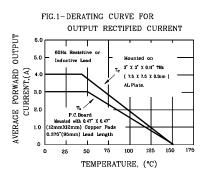
- 1. Measured at 1.0 MHz and applied reverse voltage of 4.0 Volts.
- 2. Unit mounted on 3.0"x3.0"x0.11" thick (7.5x7.5x0.3 cm) Al. plate.
- 3. P.C. Board mount with 0.5"x0.5" (12x12cm) copper pads 0.375" (9.5mm) lead length

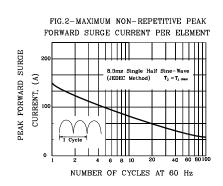
Email: sales@micindia.com Website: www.micindia.com

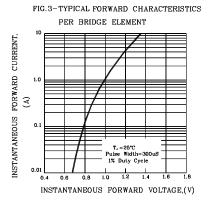


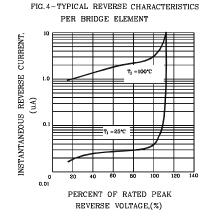
SINGLE PHASE BRIDGE RECTIFIER

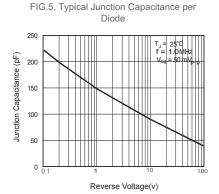
RATING AND CHARACTERISTIC CURVES KBL005 - KBL10











Disclaimer

All product, product specifications and data are subject to change without notice to improve reliability, function or design or otherwise.

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