

Features

1. Surge overload rating - 240 amperes peak
2. Ideal for printed circuit board
3. Reliable low cost construction utilizing molded plastic technique
4. Plastic material has U/L lammability classification 94V-0

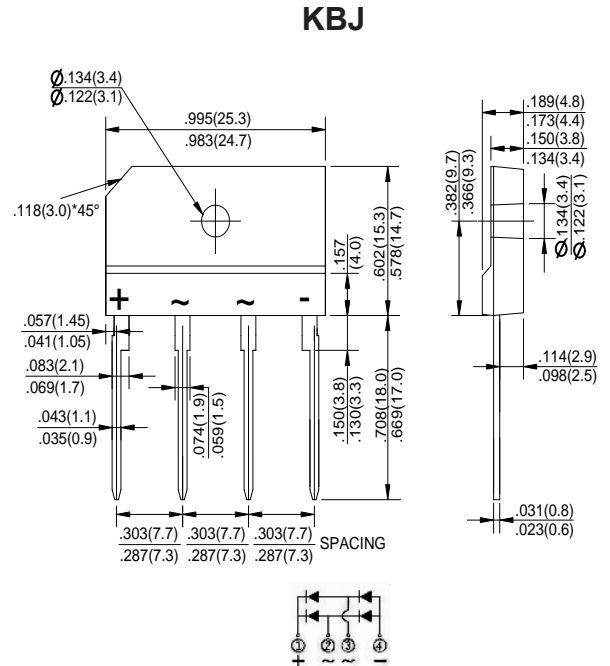
Mechanical Data

Case : JEDEC KBJ Molded plastic body

Terminals : Solder plated, solderable per MIL-STD-750, Method 2026

Polarity : Polarity symbol marking on body

Mounting Position : Any



Dimensions in inches and (millimeters)

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%.

Parameter	SYMBOLS								UNITS
		KBJ15005	KBJ1501	KBJ1502	KBJ1504	KBJ1506	KBJ1508	BJ1510	
Marking Code									
Maximum repetitive 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 (with heatsink NOTE 2) Rectified current @ $T_c = 100^\circ\text{C}$ (without heatsink)	I_{AV}				15				A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}				240				A
Rating for Fusing ($t < 8.3\text{ms}$)	I^2t				240				A ² s
Maximum forward voltage at 7.5A DC	V_F				1.0				V
Maximum forward voltage at 15A DC					1.1				
Maximum DC reverse current $T_A = 25^\circ\text{C}$ at rated DC blocking voltage $T_A = 125^\circ\text{C}$	I_R				10				μA
					0.5				mA
Typical Junction Capacitance (Note 1)	C_J				60				pF
Typical Thermal Resistance (Note 2)	$R_{\theta JA}$				0.8				$^\circ\text{C/W}$
Operating junction temperature range	T_J				-55 to +150				$^\circ\text{C}$
storage temperature range	T_{STG}				-55 to +150				$^\circ\text{C}$

- 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.

Ratings And Characteristic Curves

