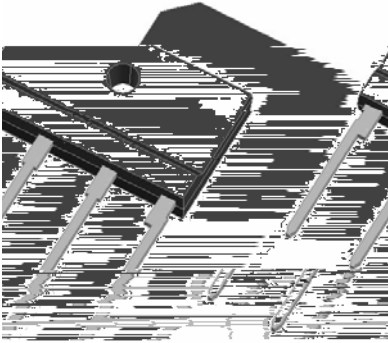




Bridge Rectifiers

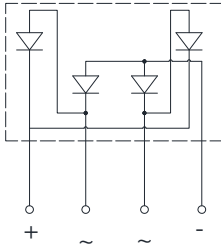


Features

- UL recognition, file #E230084
- Glass passivated chip junction
- Thin single in-line package
- High surge current capability
- Solder dip 275 °C max. 7 s, per JESD 22-B106

Typical Applications

General purpose use in AC/DC bridge full wave rectification for switching power supply, home appliances, office equipment, industrial automation applications.



Mechanical Data

Unless otherwise specified

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PARAMETER	SYMBOL	UNIT	KBJ15005	KBJ1501	KBJ1502	KBJ1504	KBJ1506	KBJ1508	KBJ1510
Device marking code			KBJ15005	KBJ1501	KBJ1502	KBJ1504	KBJ1506	KBJ1508	KBJ1510
Maximum Repetitive Peak Reverse Voltage	VRRM	V	50	100	200	400	600	800	1000
Maximum RMS Voltage	VRMS	V	35	70	140	280	420	560	700
Maximum DC blocking Voltage	VDC	V	50	100	200	400	600	800	1000
Average Rectified Output Current @60Hz sine wave, R-load	With heatsink $T_C = 105$	IO	A	15.0					
	Without heatsink $T_a = 25$			3.6					
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, $T_j = 25$	IFSM	A	220						
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, $T_j = 25$			440						
Current squared time @1ms t 8.3ms $T_j = 25$, rating of per diode	I ² t	A ² S	201						
Storage temperature	T _{stg}		-55 ~ +150						
Junction temperature	T _j		-55 ~ +150						
Dielectric strength @ Terminals to case, AC 1 minute	V _{dis}	KV	2						
Mounting torque @Recommend torque 5kg cm	Tor	kg cm	8						

Electrical Characteristics $T_a = 25$ Unless otherwise specified

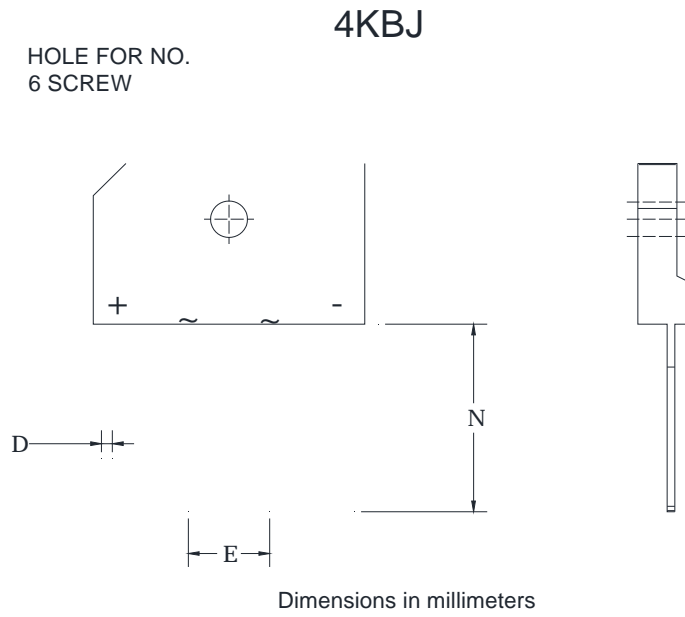
PARAMETER SYMBOL

7\SLFDO	MXQFWLRQ	FDSDFL	WDDGF	ISSO&MG	5H	SHUVH			
			9ROWDJH	RI		9			&



KBJ15005 THRU KBJ1510

Outline Dimensions





Disclaimer

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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no...
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