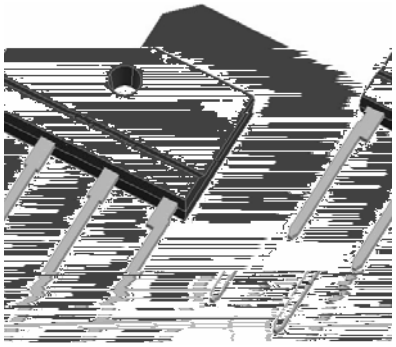
KBJ1512

Bridge Rectifiers

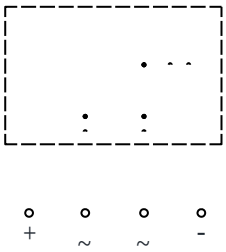


Features

- 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

- **Package**: 4KBJ
  Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- **Terminals**: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** As marked on body

Maximum Ratings (T_a=25 Unless otherwise specified

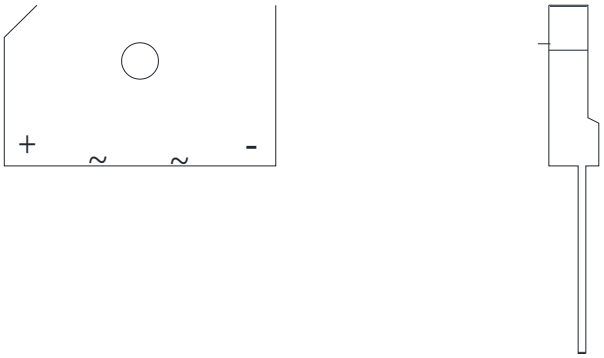
PARAMETER		SYMBOL	UNIT	KBJ1512
evice marking code				KBJ1512
aximum Repetitive Peak Reverse Voltage		V_{RRM}	V	1200
aximum RMS Voltage		V_{RMS}	V	840
aximum DC blocking Voltage		V_{DC}	V	1200
erage Rectified Output urrent 60Hz sine wave, R-load	With heatsink T_C =100	I_O	A	15
	Without heatsink T_a =25			3.3
rward Surge Current (Non-repetitive) 60Hz Half-sine wave,1 cycle, Tj=25		I_{FSM}	A	220
rward Surge Current (Non-repetitive) 1ms, square wave, 1 cycle, Tj=25				440
urrent squared time 1ms≤t≤8.3ms, Tj=25 , rating of per diode		I^2t	A^2S	201
orage temperature		T_{stg}		-55 ~ +150
nction temperature		T_j		-55 ~ +150
electric strength Terminals to case, AC 1 minute		V_{dis}	KV	2
ounting torque Recommend torque 5kg cm		Tor	kg cm	8

Electrical Characteristics T_a=25 Unless otherwise specified

MBOL	UNIT	TEST CONDITIONS	KBJ1512
	V	I_{FM}=7.5A	1.1
	μA	T_j R5R	

■ Outline Dimensions

4KBJ



Dimensions in millimeters

Disclaimer

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The product listed herei