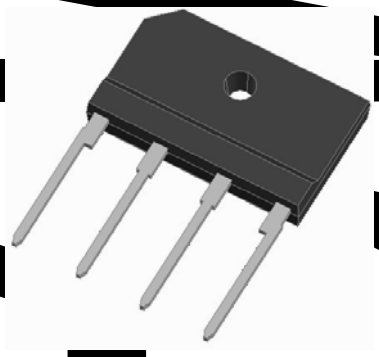
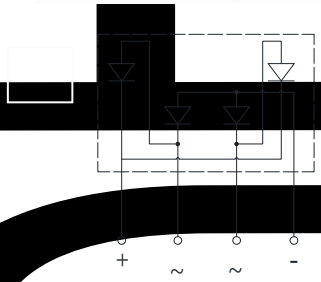
RoHS
COMPLIANT





- 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

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

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

(Ta=25 Unless otherwise specified

rking code			KBJ4005A	KBJ401A	KBJ402A	KBJ404A	KBJ406A	KBJ408A	KBJ410A
Maximum				100	200	400	600	800	1000
Maximum RMS Voltage	VRMS	V	35	70	140	280	420	560	700

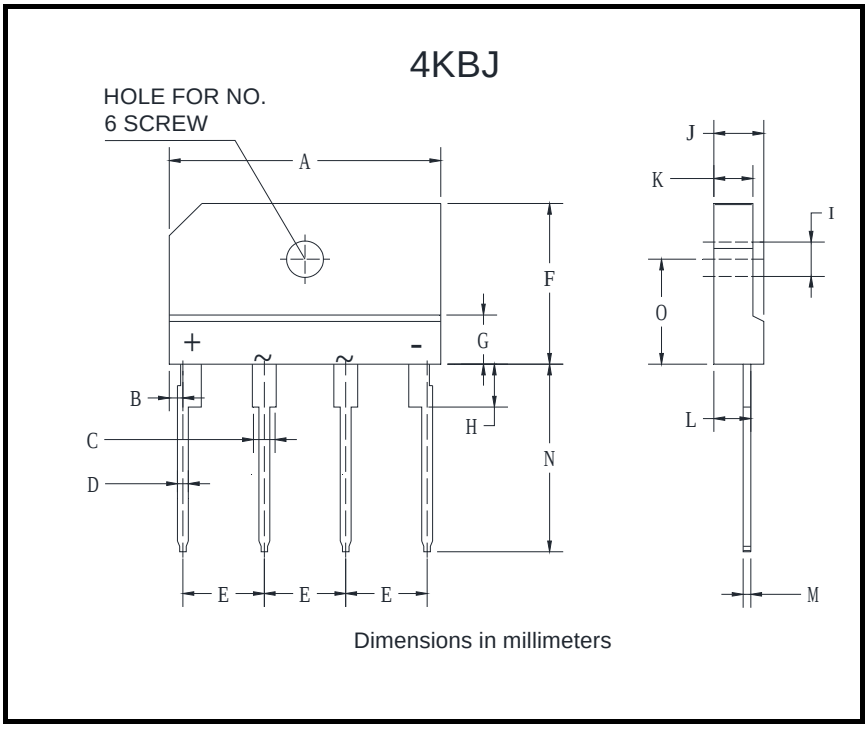
Average Rectified Output Current@60Hz sine wave, R-load	With heatsink Tc =125	IO	A	4.0
	Without heatsink Ta =25			2.6
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle, Tj=25		IFSM	A	150
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25				280
Current squared time @1ms≤t≤8.3ms, Tj=25 , rating of per diode		I^2t	A^2S	78.4
Storage temperature		Tstg		-55 ~ +150
Junction temperature		Tj		-55 ~ +150
Dielectric strength @ Terminals to case, AC 1 minute		Vdis	KV	2
Mounting torque @Recommend torque 5kg cm		Tor	kg cm	8

■ Ta=25 Unless otherwise specified

Maximum instantaneous forward voltage drop per diode	VF	V	IFM=2.0A	1.0							
Maximum DC reverse current at rated DC blocking voltage per diode	IR	μA	Tj =25	5							
			Tj =125	100							
Typical junction capacitance	Cj	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	45							

■ Ta

■



Dim	Min	Max
A	24.7	25.3
B	1.05	1.45
C	1.7	2.1
D	0.9	1.1
E	7.3	7.7
F	14.7	15.3
G	3.8	4.2
H	3.3	3.7
I	3.1	3.4
J	4.4	4.8
K	3.4	3.8
L	3.2	3.4
M	0.6	0.8
N	17.0	18.0
O	9.5	10.1

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