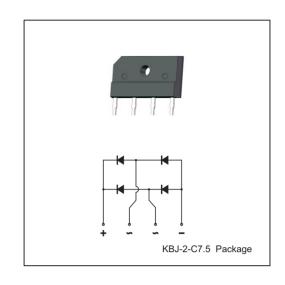
GLASS PASSIVATED BRIDGE RECTIFIERS

FEATURES:

- Reverse Voltage 50 to 1000 V
- Forward Current 6 A
- Polarity: As marked on body
- · Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- The flammability classification 94V-0
- Plastic material has U/L(UL Recognition File #E501500)



MECHANICAL DATA

Polarity : Symbols molded on bodyWeight: 0.147 ounces , 4.17 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

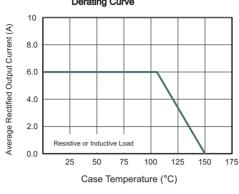
Ratings at 25 °C ambient temperature unless otherwise specified.

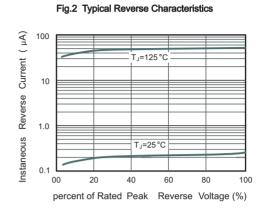
Parameter	Symbols	KBJ 6005 -C7.5	KBJ 601 -C7.5	KBJ 602 -C7.5	KBJ 604 -C7.5	KBJ 606 -C7.5	KBJ 608 -C7.5	KBJ 610 -C7.5	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @ Fig.1	I _{F(AV)}	6							
Peak Forward Surge Current,8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	175							
Peak Forward Surge Current,1.0ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	350							А
I ² t Rating for fusing (3ms≤t≤8.3ms)	l ² t	127							A ² S
Maxium Forward Voltage at 3 A DC at 6 A DC	V _F	1.0 1.1							V
Maximum DC Reverse Current $T_a = 25$ °C at Rated DC Reverse Voltage $T_a = 125$ °C	I _R				5.0 500				uA
Typical Junction Capacitance (Note1)	C _j				40				pF
Typical Thermal Resistance (Note2)	R _{θJA} R _{θJC} R _{θJL}	18 4 7							
Operating and Storage Temperature Range	Tj,Tstg	-55 ~ + 150							°C

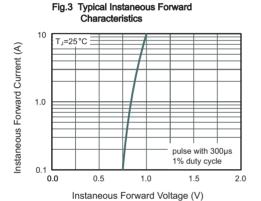
Note: 1. Measured at 1MHz and applied reverse voltage of 4 V D.C.

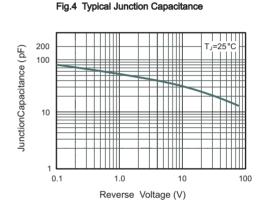
2. Device mounted on 32mm*30mm*15mm Al Block Heat sink.

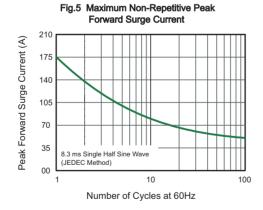
Fig.1 Average Rectified Output Current 10 8.0 6.0



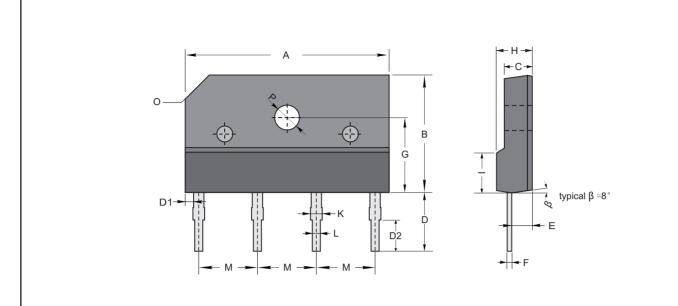








PACKAGE OUTLINE KBJ-2-C7.5 Package



KBJ-2-C7.5 mechanical data

UNIT		Α	В	С	D	D1	D2	Е	F	G	Н	I	K	L	М	0	Р
mm	max	26.30	15.30	3.80	8.00	1.40	4.50	2.85	0.70	9.80	4.80	4.20	1.60	1.15	7.70	62.0	ф 3.6
	min	25.70	14.70	3.40	7.00	1.00	3.50	2.45	0.40	9.30	4.40	3.80	1.20	0.85	7.30	C3.0	ф 3.0
	max	1035	602	150	315	55	177	112	28	386	189	165	63	45	303	0440	ф 142
mil	min	1012	579	134	275	39	138	96	16	366	173	150	47	33	287	C118	ф 118

Marking

Type number	Marking code
KBJ6005-C7.5	KBJ6005
KBJ601-C7.5	KBJ601
KBJ602-C7.5	KBJ602
KBJ604-C7.5	KBJ604
KBJ606-C7.5	KBJ606
KBJ608-C7.5	KBJ608
KBJ610-C7.5	KBJ610

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