KBJ3504~KBJ3512

Glass Passivated Bridge Rectifiers

VOLTAGE 400 to 1200 Volt CURRENT 35 Ampere

FEATURES

ΡΛΝ

- UL Recognized File #E228882
- Plastic material has Underwriters Laboratory Flammability Classification 94V-O
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique.
- Lead free in compliance with EU RoHS 2.0
- Glass passivated chip junction

MECHANICAL DATA

- Case: KBJ
- •Terminals: Leads solderable per MIL-STD-750, Method 2026
- Polarity: As marked on body
- Mounting torque: 8.5 inch-lbs. Max.
- Weight: 6.96g

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°Cambient temperature unless otherwise specified.

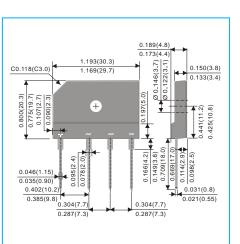
PARAMETER	2	SYMBOL	KBJ 3504	KBJ 3506	KBJ 3508	KBJ 3510	KBJ 3512	UNIT
Maximum repetitive peak rev	erse voltage	Vrrm	400	600	800	1000	1200	V
Maximum RMS voltage		Vrms	280	420	560	700	840	V
Maximum DC blocking voltage		VDC	400	600	800	1000	1200	V
Maximum average forward rectified current		F(AV)	35					
Peak forward surge current, 8.3 ms single half sine-wave		FSM	400					
Rating of fusing (t<8.3ms)(Note1)		l ² t	664					
Maximum instantaneous forv voltage per diode	vard IF = 17.5 A IF = 35 A	VF			1 1.1			V
Maximum reverse current @ rated V _R	TJ =25°C TJ =125°C	I _R	5 500					μA
Typical junction capacitance (Note 2)		CJ	140					
Typical thermal resistance	(Note 3) (Note 4)	Re ja Re jc	22 0.8					
Operating junction temperature range		TJ	- 55 to +150					
Storage temperature range		Тѕтс	- 55 to +150					

Note 1: Non-repetitive, for t $\!>\!1ms$ and $\!<\!8.3ms.$

- Note 2: Measured at 1MHz and applied Reverse bias of 4V DC
- Note 3: Products installed on the PCB, Without heatsink $\ensuremath{\,^\circ}$

Note 4: Products installed on aluminum plate heatsink •



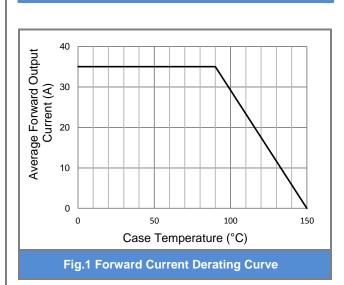


Unit: Inch(mm)

KBJ







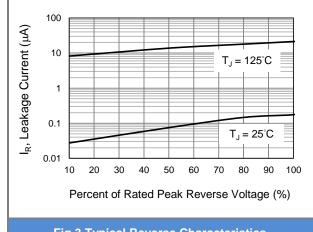
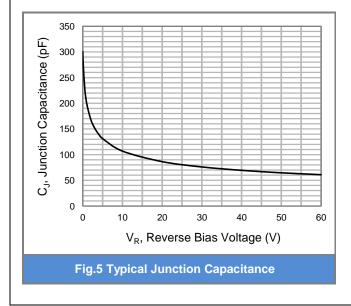


Fig.3 Typical Reverse Characteristics



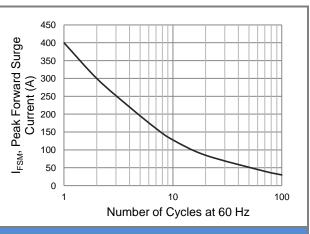
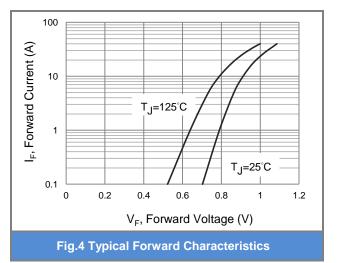


Fig.2 Maximum Forward Surge Current







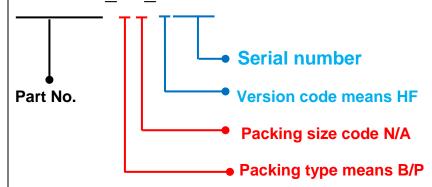


KBJ3504~KBJ3512

Part No_packing code_Version KBJ3504_B0_00001

KBJ3504_B0_10001

For example : KBJ3504_B0_00001



Packing	Version Code XXXXX				
I st Code	Packing size code	2 st Code	HF or RoHS	I st Code	$2^{st} \sim 5^{st}$ Code
Α	N/A	0	HF	0	serial number
R	7"	1	RoHS	1	serial number
В	13"	2			
т	26mm	X			
S	52mm	Y			
L	PANASERT T/B CATHODE UP (PBCU)	U			
F	PANASERT T/B CATHODE DOWN (PBCD)	D			
	I st Code A R B T S L	AN/AR7"B13"T26mmS52mmLPANASERT T/B CATHODE UP (PBCU)FPANASERT T/B CATHODE DOWN	Ist CodePacking size code2st CodeAN/A0R7"1B13"2T26mmXS52mmYLPANASERT T/B UUFPANASERT T/B CATHODE DOWND	Ist CodePacking size code2st CodeHF or RoHSAN/A0HFAN/A0HFR7"1RoHSB13"2Image: Second Sec	Ist CodePacking size code2st CodeHF or RoHSIst CodeAN/A0HF0R7"1RoHS1B13"2Ist Code1T26mmXIst CodeIst CodeS52mmYIst CodeIst CodeLPANASERT T/B CATHODE DOWNDIst CodeIst Code



KBJ3504~KBJ3512

Disclaimer

- Reproducing and modifying information of the document is prohibited without permission from Panjit International Inc..
- Panjit International Inc. reserves the rights to make changes of the content herein the document anytime without notification. Please refer to our website for the latest document.
- Panjit International Inc. disclaims any and all liability arising out of the application or use of any product including damages incidentally and consequentially occurred.
- Panjit International Inc. does not assume any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.
- Applications shown on the herein document are examples of standard use and operation. Customers are responsible in comprehending the suitable use in particular applications. Panjit International Inc. makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.
- The products shown herein are not designed and authorized for equipments requiring high level of reliability or relating to human life and for any applications concerning life-saving or life-sustaining, such as medical instruments, transportation equipment, aerospace machinery et cetera. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Panjit International Inc. for any damages resulting from such improper use or sale.
- Since Panjit uses lot number as the tracking base, please provide the lot number for tracking when complaining.