Glass Passivated Bridge Rectifiers

VOLTAGE 400 to 1200 Volt CURRENT 35 Ampere

FEATURES

- 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 RoHS2.0 (2011/65/EU & 2015/865/EU directive)
- 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.

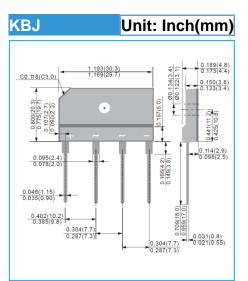
PARAMETER	2	SYMBOL	KBJ 3504	KBJ 3506	KBJ 3508	KBJ 3510	KBJ 3512	UNIT
Maximum repetitive peak reverse voltage		Vrrm	400	600	800	1000	1200	V
Maximum RMS voltage		Vrms	280	420	560	700	840	V
Maximum DC blocking voltage		VDC	400	600	800	1000	1200	V
Maximum average forward rectified current		F(AV)	35					
Peak forward surge current, 8.3 ms single half sine-wave		FSM	400					А
Rating of fusing (t<8.3ms)(Note1)		l ² t	664					A ² s
Maximum instantaneous forv voltage per diode	vard I⊧ = 17.5 A I⊧ = 35 A	VF			1 1.1			V
Maximum reverse current @ rated V _R	TJ =25°C TJ =125°C	IR	5 500					
Typical junction capacitance (Note 2)		CJ	140					pF
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					°C

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

Note 2: Measured at 1MHz and applied Reverse bias of 4V DC

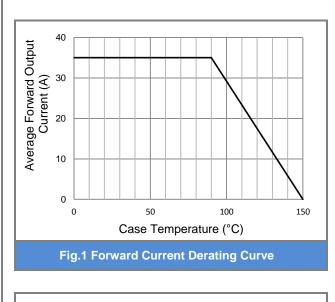
Note 3: Products installed on the PCB, Without heatsink $\,\circ\,$

Note 4: Products installed on aluminum plate heatsink ·





TYPICAL CHARACTERISTIC CURVES



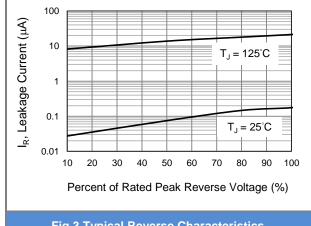
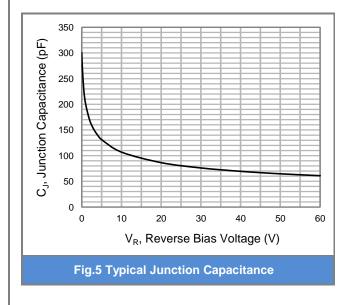


Fig.3 Typical Reverse Characteristics



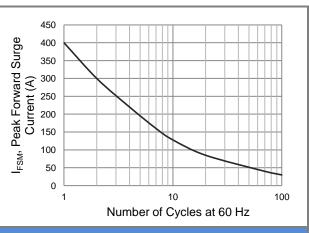
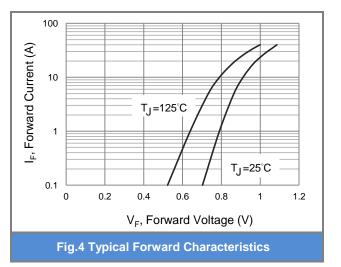


Fig.2 Maximum Forward Surge Current





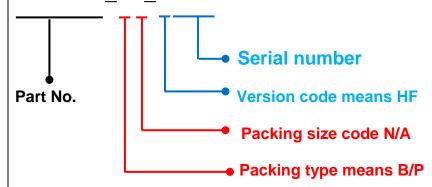




Part No_packing code_Version KBJ3504_B0_00001

KBJ3504_B0_10001

For example : KBJ3504_B0_00001



	Version Code XXXXX					
Packing type	I st Code	Packing size code	2 st Code	HF or RoHS	I st Code	$2^{st} \sim 5^{st}$ Code
Tape and Ammunition Box (T/B)	A	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	В	13"	2			
Tube Packing (T/P)	т	26mm	X			
Tape and Reel (Right Oriented) (TRR)	Ø	52mm	Y			
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U			
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D			



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