

400 to 1000 Volt CURRENT 20 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 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		SYMBOL	KBJ 2004	KBJ 2006	KBJ 2008	KBJ 2010	UNIT
Maximum repetitive peak reverse voltage		VRRM	400	600	800	1000	V
Maximum RMS voltage		VRMS	280	420	560	700	V
Maximum DC blocking voltage		VDC	400	600	800	1000	v
Maximum average forward rectified current		F(AV)		Α			
Peak forward surge current, 8.3 ms single half sine-wave		FSM		А			
Rating of fusing (t<8.3ms) (N	Note1)	l ² t		A ² s			
Maximum instantaneous forv voltage per diode	vard IF = 10 A IF = 20 A	VF		1	1 .1		V
Maximum reverse current @ rated V _R	TJ =25°C TJ =125°C	IR	5 500		- μΑ		
Typical junction capacitance (Note 2)		CJ		pF			
Typical thermal resistance	(Note 3) (Note 4)	Re ja Re jc	22 1.2				°C/W
Operating junction temperature range		TJ		°C			
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 .

Note 4: Products installed on aluminum plate heatsink ·





Unit: Inch(mm)

0.150(3.8)

0.425(10.8)

0.031(0.8)

0.021(0.55)

0.189(4.8

46(3.7)

0.166(4.2)

0.304(7.7)

0.287(7.3)

1.193(30.3)

1.169(29.7

Đ

KBJ

C0.118(C3.0

0.035(0.90) 0.402(10.2

0.304(7.7

0.287(7.3



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TYPICAL CHARACTERISTIC CURVES

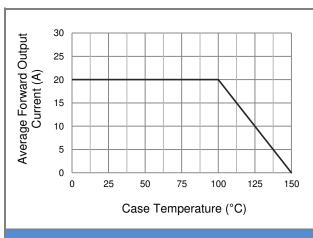


Fig.1 Forward Current Derating Curve

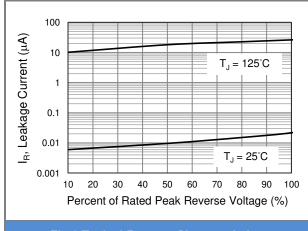
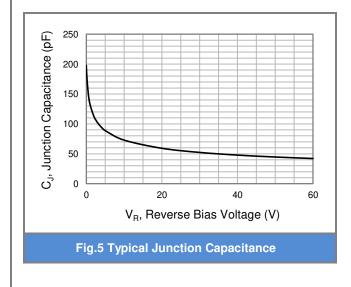


Fig.3 Typical Reverse Characteristics



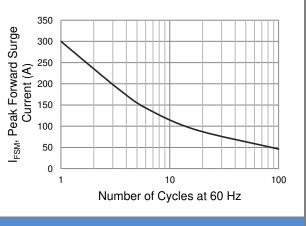


Fig.2 Maximum Forward Surge Current

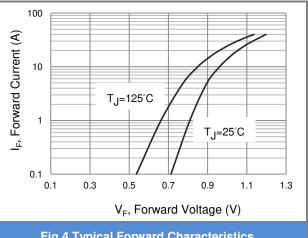


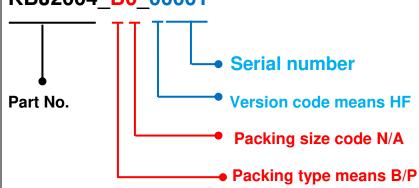
Fig.4 Typical Forward Characteristics



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Part No_packing code_Version KBJ2004_B0_00001 KBJ2004_B0_10001

For example : KBJ2004_B0_00001



ode	Packing size code N/A 7"	2 st Code 0 1	HF or RoHS HF RoHS	I st Code 0 1	2 st ~5 st Code serial number serial number
{					
	7"	1	RoHS	1	serial number
2					
·	13"	2			
r	26mm	x			
5	52mm	Y			
-	PANASERT T/B CATHODE UP (PBCU)	U			
:	PANASERT T/B CATHODE DOWN (PBCD)	D			
	,	52mm PANASERT T/B CATHODE UP (PBCU) PANASERT T/B CATHODE DOWN	52mm Y Description PANASERT T/B CATHODE UP (PBCU) U PANASERT T/B CATHODE DOWN D	52mm Y PANASERT T/B CATHODE UP (PBCU) U PANASERT T/B CATHODE DOWN D	52mm Y PANASERT T/B CATHODE UP (PBCU) U PANASERT T/B CATHODE DOWN D



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