

0.150(3.8)

0.133(3.4)

5 0.425(10.8)

0.441(11

0.031(0.8)

0.021(0.55)

14 (2.

# KBJ1504~KBJ1510

**Glass Passivated Bridge Rectifiers** 

VOLTAGE 400 to 1000 Volt CURRENT 15 Ampere

#### Unit: Inch(mm)

0.189(4.8 0.173(4.4

146(3.7)

166(4.2)

0.304(7.7)

0.287(7.3)

1.193(30.3

1.169(29.7

ŧ

KBJ

C0.118(C3.0)

0.775(19.7) 0.107(2.7) 0.800(20.3)

0.046(1.15)

0.035(0.90) 0.402(10

0.385(9.8) 0.304(7.7)

0.287(7.3)

#### **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.

		-					
PARAMETE	R	SYMBOL	KBJ 1504	KBJ 1506	KBJ 1508	KBJ 1510	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		A			
Rating of fusing (t<8.3ms) (Note 1)		l <sup>2</sup> t		A <sup>2</sup> s			
Maximum instantaneous forv voltage per diode	vard IF = 7.5 A IF = 15 A	VF		1	1 .1		V
Maximum reverse current @ rated V <sub>R</sub>	TJ =25°C TJ =125°C	I <sub>R</sub>	5			μA	
Typical junction capacitance (Note 2)		CJ		pF			
Typical thermal resistance	(Note 3) (Note 4)	Re ja Re jc	22 1.4			°C/W	
Operating junction temperature range		TJ		°C			
Storage temperature range		Тѕтс		°C			

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

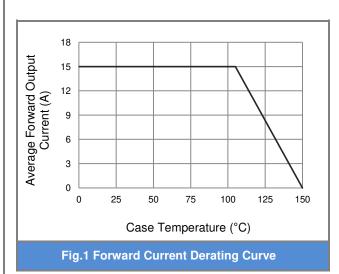
- Note 2: Measured at 1MHz and applied Reverse bias of 4V DC
- Note 3: Products installed on the PCB, Without heatsink .

Note 4: Products installed on aluminum plate heatsink .



## KBJ1504~KBJ1510

#### TYPICAL CHARACTERISTIC CURVES



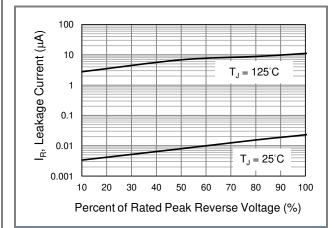
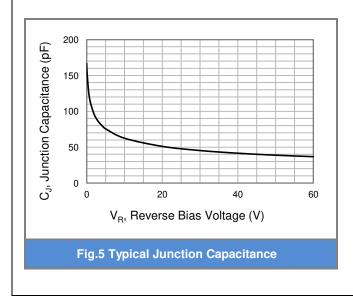
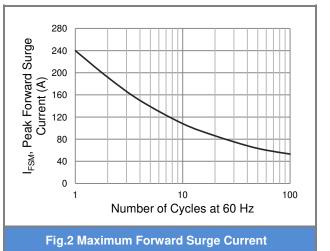
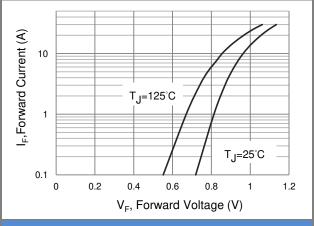


Fig.3 Typical Reverse Characteristics









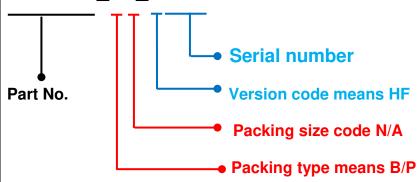
**Fig.4 Typical Forward Characteristics** 



## KBJ1504~KBJ1510

# Part No\_packing code\_Version KBJ1504\_B0\_00001 KBJ1504\_B0\_10001

## For example : KBJ1504\_B0\_00001



	Version Code XXXXX					
Packing type	I <sup>st</sup> Code	Packing size code	2 <sup>st</sup> Code	HF or RoHS	I <sup>st</sup> 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)	S	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			



## KBJ1504~KBJ1510

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