



Glass Passivated Bridge Rectifiers

VOLTAGE 400 to 1000 Volt CURRENT 2 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

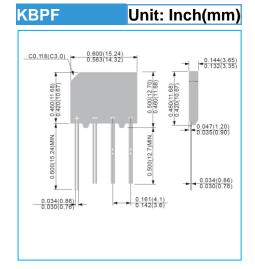
MECHANICAL DATA

· Case: KBPF

•Terminals: Leads solderable per MIL-STD-750, Method 2026

· Polarity: As marked on body

• Weight: 1.6g



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°Cambient temperature unless otherwise specified.

PARAMETE	R	SYMBOL	KBP 204	KBP 206	KBP 208	KBP 2010	UNIT
Maximum repetitive peak reverse voltage		V _{RRM}	400	600	800	1000	V
Maximum RMS voltage		V _{RMS}	280	420	560	700	V
Maximum DC blocking voltage		V _{DC}	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) (Note1)		l ² t	15				A ² s
Maximum instantaneous forvoltage per diode	vard I _F = 1 A I _F = 2 A	VF			1 .1		V
Maximum reverse current	T _J =25°C	I _R	5				μA
@ rated V _R	T _J =125°C		500				
Typical junction capacitance (Note2)		C₁	23				pF
Typical thermal resistance (Note3)		RθJA RθJC		°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: Thermal resistance from junction to ambient and from junction to case mounted on PCB

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TYPICAL CHARACTERISTIC CURVES

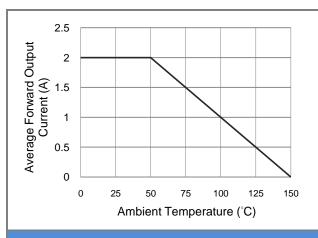


Fig.1 Forward Current Derating Curve

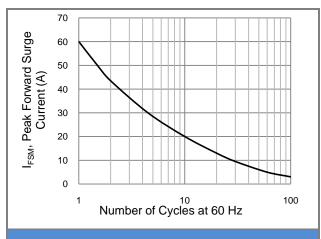


Fig.2 Maximum Forward Surge Current

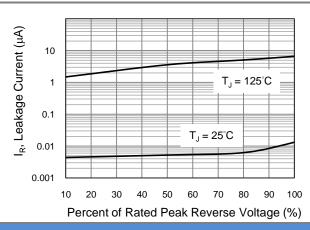


Fig.3 Typical Reverse Characteristics

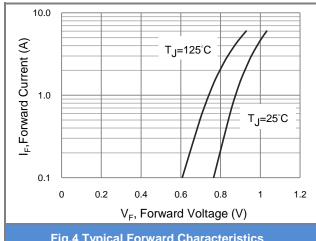


Fig.4 Typical Forward Characteristics

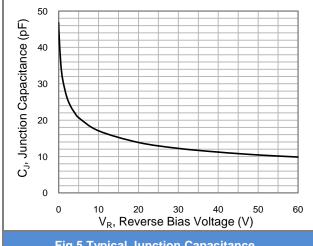


Fig.5 Typical Junction Capacitance

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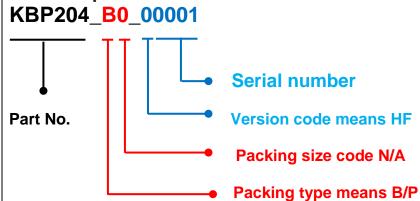




Part No_packing code_Version

KBP204_B0_00001 KBP204_B0_10001

For example:



	Version Code XXXXX					
Packing type	I st Code	Packing size code	2 st Code	HF or RoHS	I st Code	2 st ~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	Х			
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			

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