

Unit: Inch(mm)

0.500(12.70) 0.460(11.68)

00(12.7)MIN

0.161(4.1)

88

460(11.6

0.144(3.65) 0.132(3.35)

0.047(1.20)

0.034(0.86) 0.030(0.76)

KBPF

C0.118(C3.0)

0.460(11.68)

600(15.24)MIN

0.034(0.86)

0.600(15.24) 0.563(14.32)

KBP204~KBP2010

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.

PARAMETER	SYMBOL	KBP 204	KBP 206	KBP 208	KBP 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)	2				
Peak forward surge current, 8.3 ms single half sine-wave	FSM	60				
Rating of fusing (t<8.3ms) (Note1)	l ² t	15				A ² s
	VF			1 .1		V
Maximum reverse current $T_J = 25^{\circ}C$ @ rated VR $T_J = 125^{\circ}C$	I _R -	5				- μΑ
Typical junction capacitance (Note2)	С	23				
Typical thermal resistance (Note3)	RθJA RθJC	20 5				
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: Thermal resistance from junction to ambient and from junction to case mounted on PCB



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TYPICAL CHARACTERISTIC CURVES

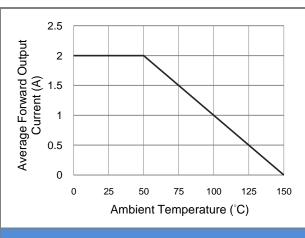
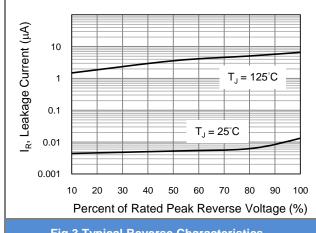
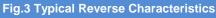
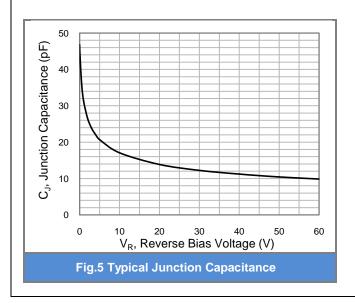


Fig.1 Forward Current Derating Curve







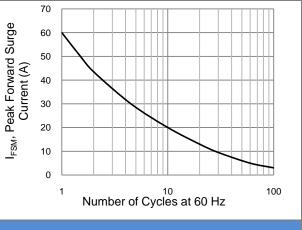
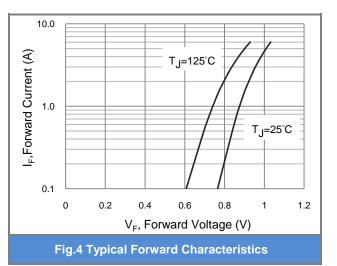


Fig.2 Maximum Forward Surge Current





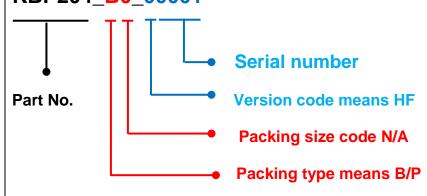


KBP204~KBP2010

Part No_packing code_Version

KBP204_B0_00001 KBP204_B0_10001

For example : KBP204_B0_00001



	Packing Code XX					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)	Α	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							





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