

KBP2005 THRU KBP210

Single Phase 2.0AMP Glass Passivated Bridge Rectifier



Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified. Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

	SYMBOL	KBP2005	KBP201	KBP202	KBP204	KBP206	KBP208	KBP210	UNITS
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM	50	100	200	400	600	800	1000	V
	VRWM								
	VDC								
RMS Reverse Voltage	VRMS	35	70	140	280	420	560	700	V
Average Rectified Output Current (Note 1) @Tc=100℃	lo	2.0						A	
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	Ігзм	45						A	
Pt Rating for Fusing (t < 8.3ms)	l ² t	14.94						A ² S	
Forward Voltage per element @IF=2.0A	Vfm	1.1							V
Peak Reverse Current @TJ=25℃ At Rated DC Blocking Voltage @TJ=125℃	lr	5.0 200							uA
Typical Junction Capacitance (Note2)	Cj	15							pF
Typical Thermal Resistance	Reja	25							°C/W
	Rejl	8							
Operating and Storage Temperature Range	TJ,TSTG	-55to+150							°C

Note:1. Mounted on glass epoxy PC board with 1.3mm² solder pad. 2. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C..



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Fig. 1 Forward Current Derating Curve





Fig.3 Maximum Peak Forward Surge Current



Number Of Cycles At 60HZ

Fig.5 Typical Reverse Characteristics



Percent Of Rated Peak Reverse Voltage(%)



V_F, Instantaneous Forward Voltage (V)









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