

KBP301-R THRU KBP307-R KBP

3.0A GLASS PASSIVATED BRIDGE RECTIFIER

Reverse Voltage - 100 to 1000 V

Forward Current - 3.0A

FEATURES

♦High current capability

♦Low forward voltage drop

♦Glass Passivated Chip Junction

♦Low power loss, high efficiency

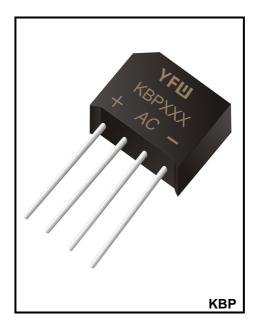
♦Lead free in comply with EU RoHS 2011/65/EU directives

MECHANICAL DATA

♦Case: KBP

♦Terminals: Solderable per MIL-STD-202, Method 208

♦Approx. Weight: 0.33g / 0.012oz



Maximum Ratings and Electrical characteristics

Ratings at 25 °C ambient temperature unless otherwise specified.

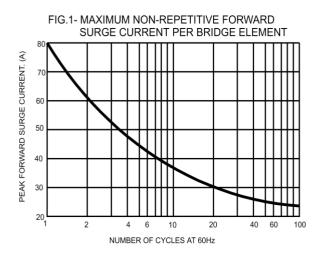
Parameter	Symbols	KBP301-R	KBP302-R	KBP303-R	KBP304-R	KBP305-R	KBP306-R	KBP307-R	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	v
Maximum RMS voltage	V _{RMS}	35	70	140	280	420	560	700	v
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	v
Average Rectified Output Current	I _(AV)	3						Α	
Peak Forward Surge Current 8.3 ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	80					Α		
Forward Voltage per element @I _F =3.0A and 25°C	V _F	1.1						v	
Maximum DC Reverse Current @Tj=25°C at Rated DC Blocking Voltage @Tj=125°C	I _R	10 500						μΑ	
Typical Junction Capacitance (Note1)	Cj	25						pF	
Typical Thermal Resistance (Note2)	$R_{\theta JA}/R_{\theta JC}$	30/11						°C/W	
Operating and Storage Temperature Range	T _j , T _{stg}	-55 ~ +150					°C		

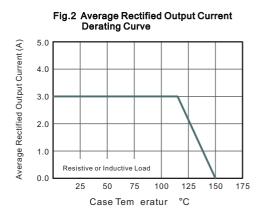
⁽¹⁾ Measured at 1 MHz and applied reverse voltage of 4 V D.C

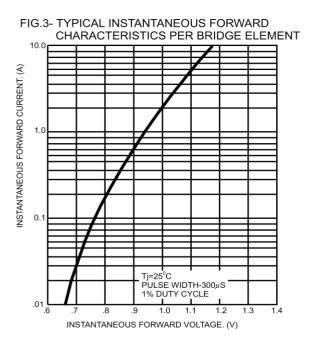
⁽²⁾ Thermal Resistance Junction to Case, Lead and Ambient.

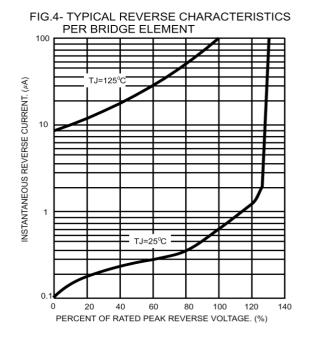


Ratings And Characteristic Curves



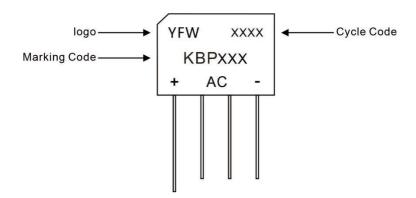








Marking Diagram

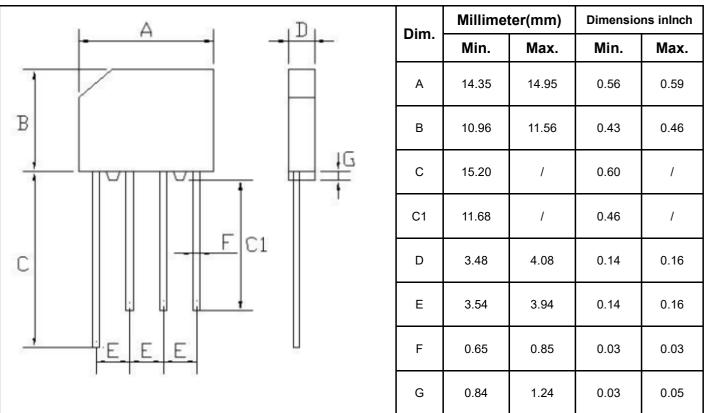


Ordering information

Package	Packing Description	Packing Quantity		
КВР	bulk	500PCS/Box 5000PCS/Carton		

Package Dimensions

KBP





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