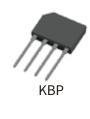
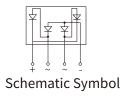


FEATURES

Low Profile Package
Idea For Printed Circuit Board
Glass Passivated Junction Chip
High Forward Surge Current Capability
Low Reverse Leakage





MECHANICAL DATA

Case Material: Molded Plastic. UL Flammability	
Classification Rating 94V-0	
Moisture Sensitivity: Level 1 Per J-STD-020	

APPROVALS

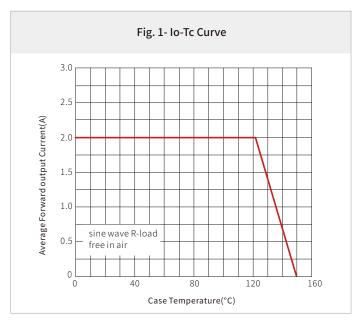
RoHS Compliance with 2011/65/EU

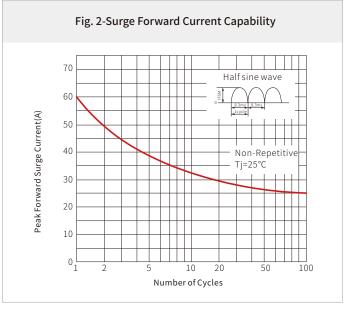
MAXIMUM RATINGS AND CHARACTERISTICS ($T_A = 25$ °C)

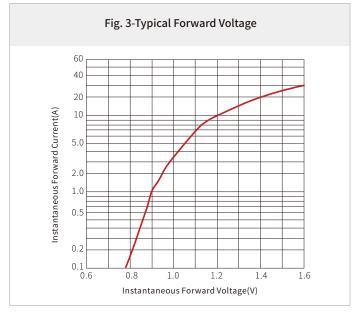
Parameter		Symbol	KBP2005	KBP201	KBP202	KBP204	KBP206	KBP208	KBP210	Unit
Marking			KBP2005	KBP201	KBP202	KBP204	KBP206	KBP208	KBP210	
Maximum repetitive peak reverse voltage		V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	Maximum RMS voltage		35	70	140	280	420	560	700	V
Maximum DC blocking voltage	Maximum DC blocking voltage		50	100	200	400	600	800	1000	V
Average rectified output current @60Hz sine wave, R-load, Tc =122°C			2.0						А	
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle, Tj=25°C				60					А	
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25°C		FSM FSM	120						А	
Current squared time @1ms≤t≤8.3ms Tj=25°C, Rating of per diode		l²t	15					A ² s		
Dielectric strength @ terminals to case, AC 1 minut		Vdis	2					KV		
Maximum instantaneous forward voltage drop per diode I _{FM} =1.0A			1.0					V		
Maximum DC reverse current	T _j =25°C	I _R	5					μΑ		
at rated DC blocking voltage per diode	T _j =125°C		100					μΑ		
Typical junction capacitance Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C		C _j	26				рF			
Thermal Resistance Between junction and ambient		$R_{\theta J-A}$	45					°C/W		
Thermal Resistance Between junction and Case		$R_{\theta J-C}$	7				°C/W			
Operating junction and storage temperature rang		$T_{J}T_{STG}$	-55 ~ +150				°C			

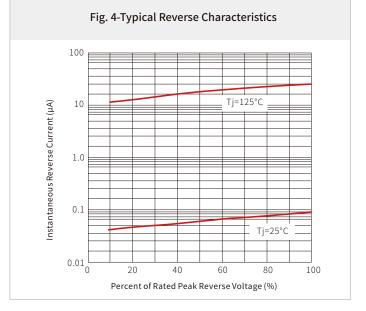


CHARACTERISTIC CURVES





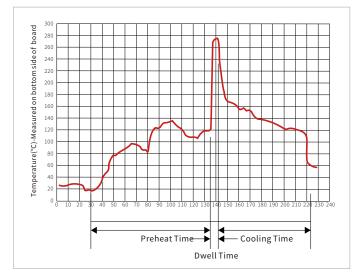




Inches

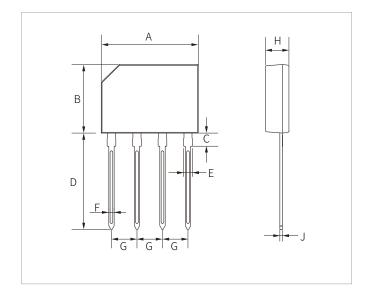


WAVE SOLDERING



	Wave Parameter	Lead-free assembly
	Temperature Min	100°C
Pre Heat	Temperature Max	150°C
	Time(min to max)	60 – 180 secs
Solder po	t Temperature	280°C Max
Solder Dv	vell Time	2-5 seconds

KBP PACKAGE INFORMATION



Ref.						
	Min.	Max.	Min.	Мах.		
А	13.80	14.20	0.543	0.559		
В	10.40	10.80	0.409	0.425		
С	1.80	2.20	0.071	0.087		
D	12.70	13.70	0.500	0.539		
E	1.30	1.50	0.051	0.059		
F	0.68	0.88	0.027	0.035		
G	3.60	4.00	0.141	0.157		
Н	3.00	3.40	0.118	0.134		
J	0.25	0.45	0.010	0.018		

Millimeters



ORDERING INFORMATION

Part Number	Component Package	Per Box	Description
KBP2005-KBP210	KBP	500PCS	Вох



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By QR Code





Website

Machat

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