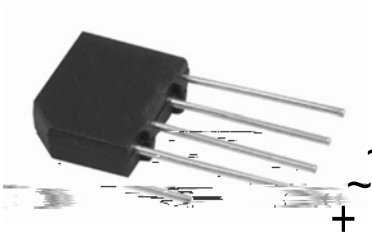
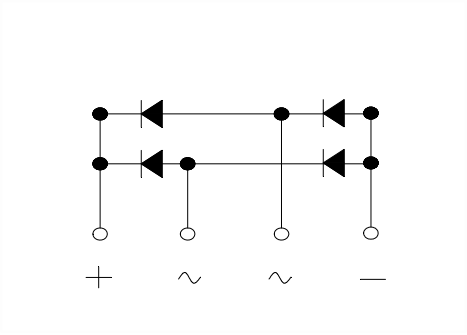
RoHS
COMPLIANT





					K	KBP204	KBP206	KBP208	KBP210
Device marking code			KBP2005	KBP201	KBP202	KBP204	KBP206	KBP208	KBP210
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	V	50	100	200	400	600	800	1000
Maximum RMS Voltage	V_{RMS}	V	35	70	140	280	420	560	700
Maximum DC blocking Voltage	V_{DC}	V	50	100	200	400	600	800	1000
Average rectified output current @60Hz sine wave, R-load, T_C =110	I_O	A	2						
Forward Surge Current (Non-repetitive) @8.3ms Half-sine wave,1 cycle, Tj=25	I_{FSM}	A	45						
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25			90						
Current squared time @1ms≤t≤8.3ms Tj=25 , Rating of per diode	I^2t	A^2s	8.4						
Storage temperature	T_{stg}		-55 ~ +150						
Junction temperature	T_j		-55 ~ +150						

■ T_a=25 Unless otherwise specified

Maximum instantaneous forward voltage drop per diode	V_F	V	I_{FM}=1.0A	1.0						
Maximum DC reverse current at rated DC blocking voltage per diode	I_R	μA	T_j =25	5						
			T_j =125	100						
Typical junction capacitance	Cj	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	13						

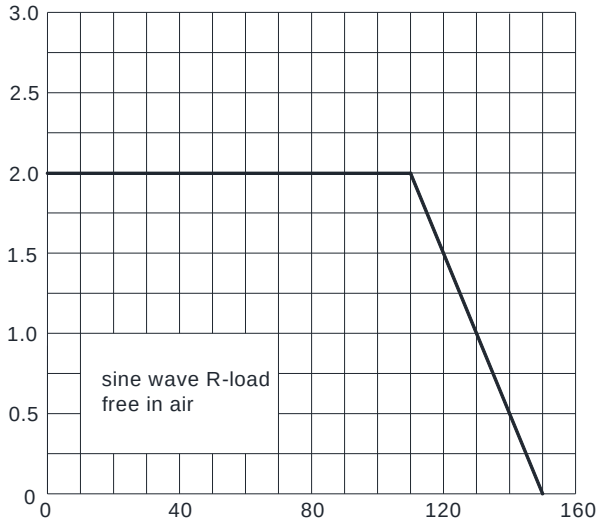
■ T_a=25 Unless otherwise specified

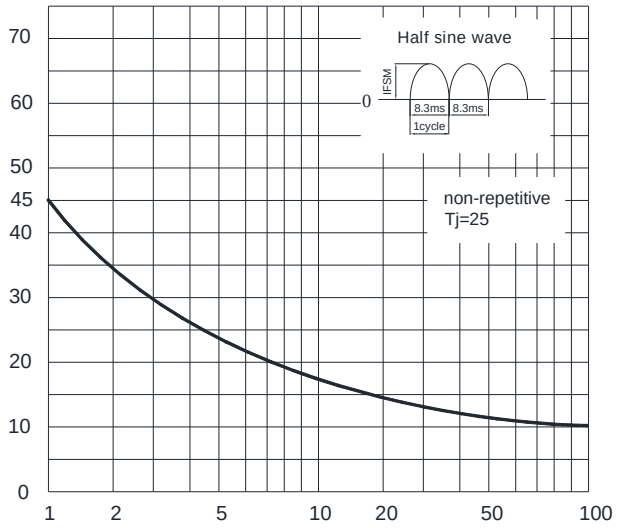
Thermal Resistance	Between junction and ambient	$R_{\theta J-A}$	/W	30					
	Between junction and lead	$R_{\theta J-L}$		15					
	Between junction and case	$R_{\theta J-C}$		10					

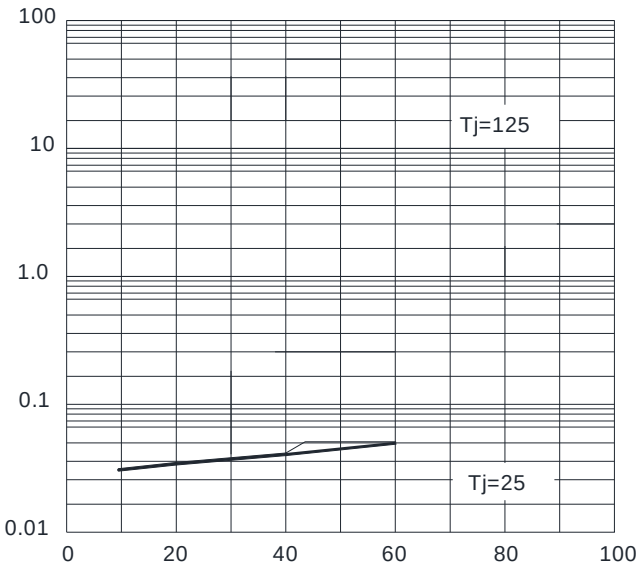
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KBP2005 ~ KBP210	A1	Approximate 1.75	500	500	5000	Paper Box

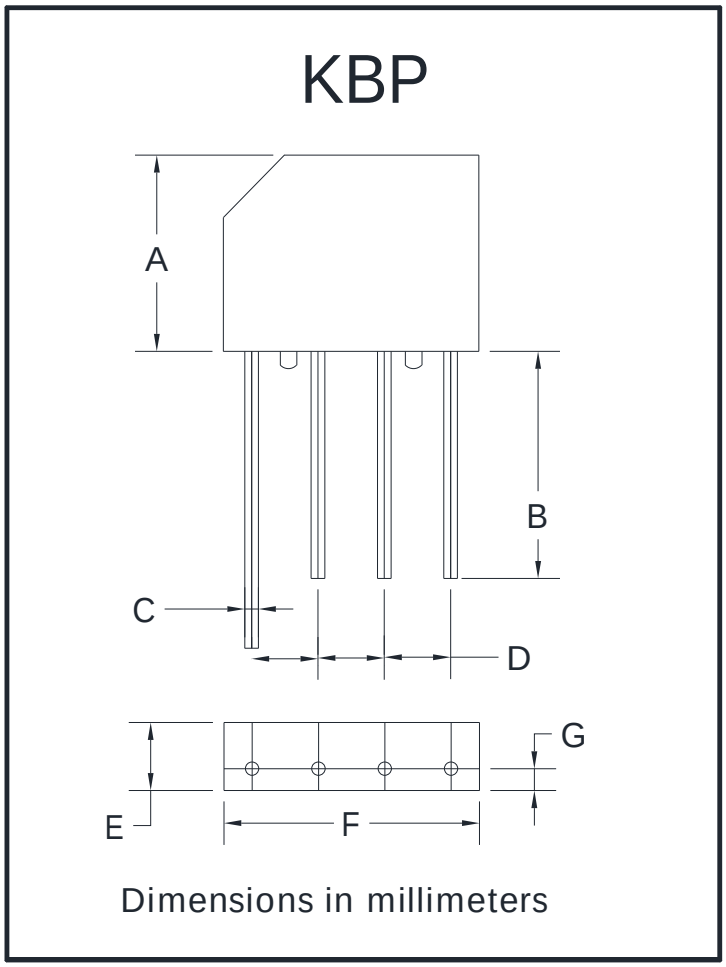
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A	11.0	11.6
B	12.7	/
C	0.7	0.9
D	3.6	4.1
E	3.7	3.95
F	14.4	15.0
G	1.10	1.27

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