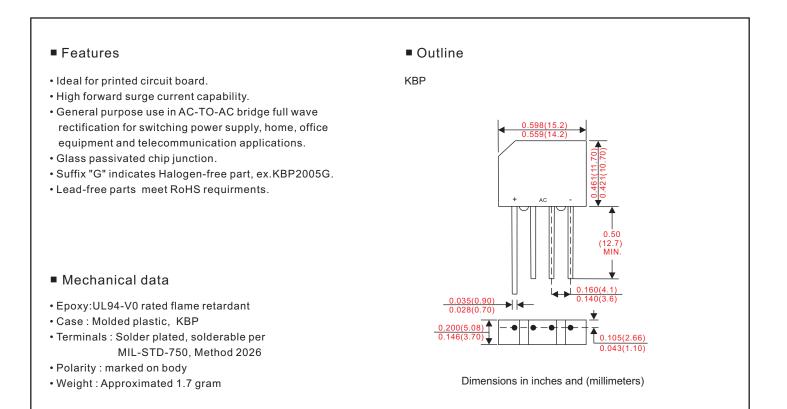
# **KBP2005 THRU KBP210**

### 2A Miniature Glass Passivated Single-Phase Bridge Rectifiers



#### Maximum ratings and electrical characteristics

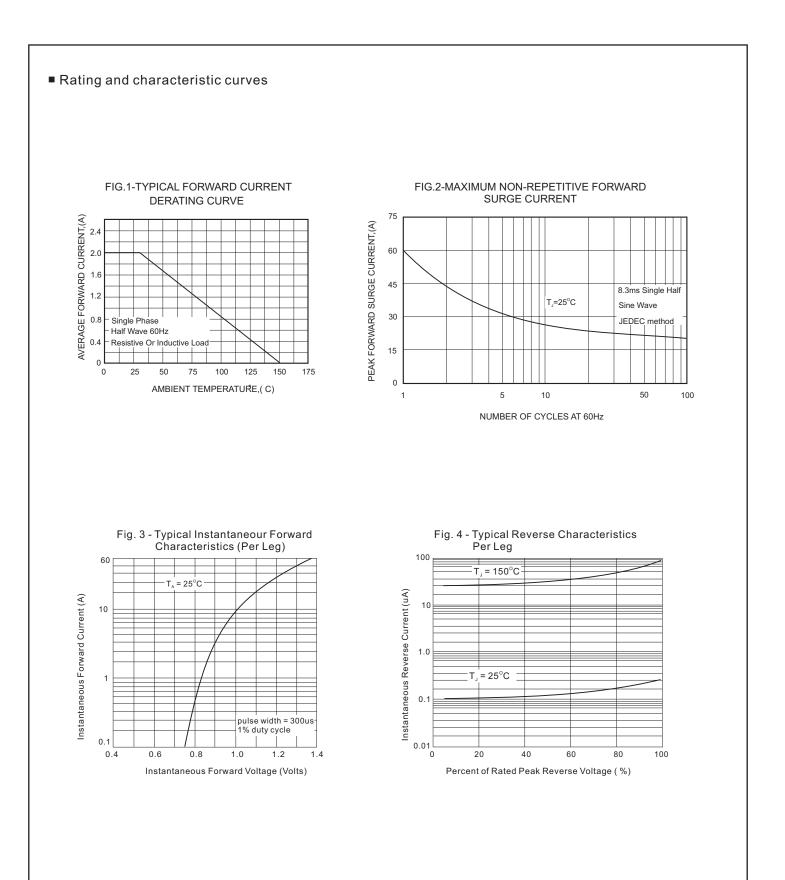
Rating at  $25^{\circ}$ C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Parameter			Conditions			Symbol	MIN.	TYP.	MAX.	UNIT	
Forward rectified current			at TA = 30°C			I <sub>o</sub>			2.0	А	
Forward surge current			8.3ms single half sine-wave superimposed on rate load (JEDEC method)			I <sub>fsm</sub>			60	А	
Reverse current			$V_{R} = V_{RRM} T_{A} = 25^{\circ}C$			- I <sub>R</sub> -			10	uA	
			$V_{R} = V_{RRM} T_{A} = 125^{\circ}C$						500		
Current squared time			t < 8.3ms, T <sub>J</sub> = 25°C			l²t			15	A <sup>2</sup> S	
Thermal resistance			junction to ambient			R <sub>eja</sub>			30	°C/W	
Storage temperature						T <sub>stg</sub>	-55		+150	°C	
Symbol	Marking code	Max. repetitive peak reverse voltage V <sub>RRM</sub> (V)		Max. DC blocking voltage V <sub>R</sub> (V)		Max. forward voltage @2A, $T_A = 25^{\circ}C$ $V_F(V)$			Operating temperature T <sub>J</sub> (°C)		
KBP2005	KBP2005	50	35	50							
KBP201	KBP201	100	70	100							
KBP202	KBP202	200	140	200		1.1					
KBP204	KBP204	400	280	400					-55 ~ +150		
KBP206	KBP206	600	420	600							
KBP208	KBP208	800	560	800							
KBP210	KBP210	1000	700	1000							



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