

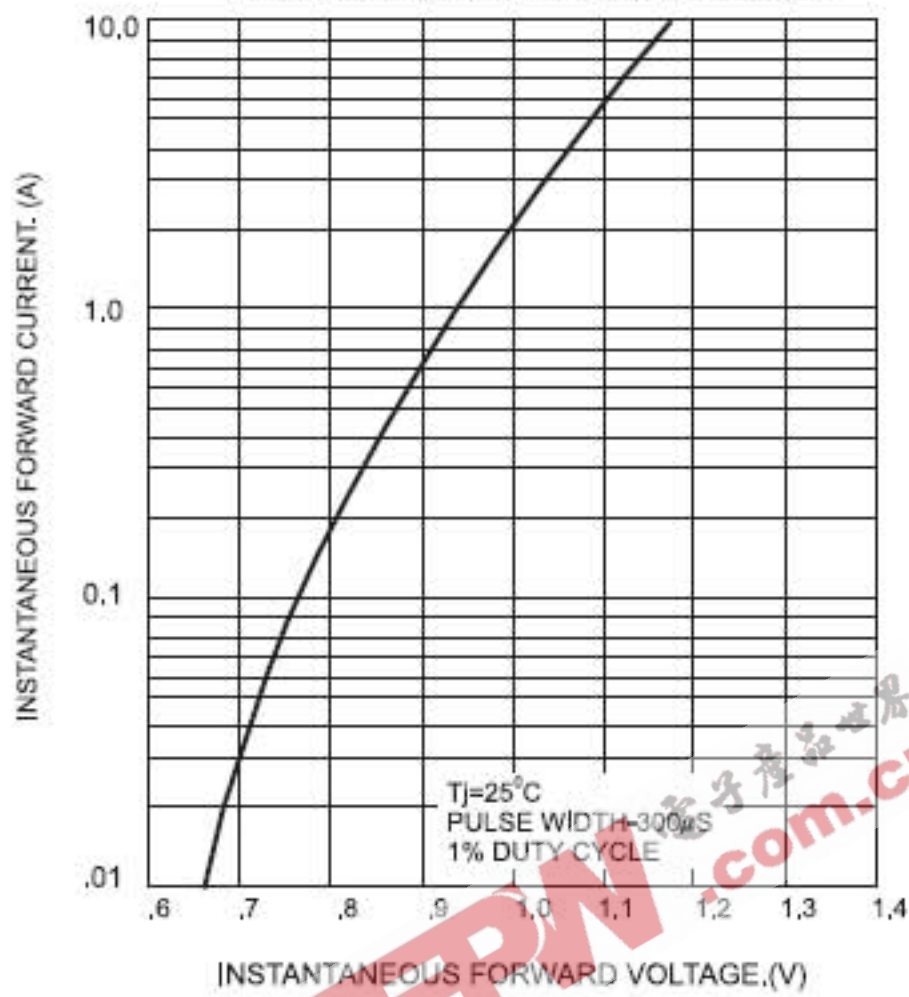
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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%

Type Number		KBP 3005	KBP 301	KBP 302	KBP 303
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	50	100	200	400
Maximum RMS Voltage	V_{RMS}	35	70	140	280
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400
Maximum Average Forward Rectified Current @ $T_A = 50^\circ C$	$I_{F(AV)}$	3.0			
Peak Forward Surge Current 8.3 ms Single Half Sine-wave Superimposed on Rated load (JEDEC method)	I_{FSM}	80			
Maximum Instantaneous Forward Voltage Drop Per leg @ 3.0A	V_F	1.1			
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	5 100			
Typical Thermal Resistance	$R_{\theta JA}$	30.0			
	$R_{\theta JC}$	11			
Operating Temperature Range	T_J	-55 to +150			
Storage Temperature Range	T_{STG}	-55 to +150			

NOTES: 1, Thermal Resistance from Junction to Ambient and from Junction to Lead Mounted
 with 0.47 x 0.47"(12 x12mm) Copper Pads.

FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS PER BRIDGE ELEMENT



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