

FR301G – FR307G

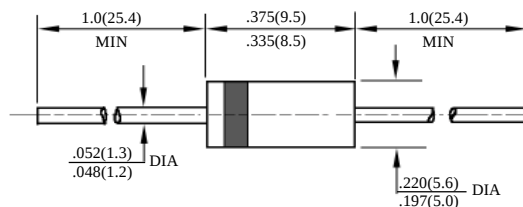
快速玻钝二极管

FAST GPP DIODES

型 号 TYPE	最大反向 峰值电压 Maximum Peak Reverse Voltage	最大平均正向电流 Maximum Average Rectified Current @ Half-Wave Resistive Load 60Hz		最大正向浪涌电流 Maximum Forward Peak Surge Current @ 8.3ms Superimposed	最大反向漏电流 Maximum Reverse Current @ PRV @ T _A =25°C	最大正向电压 Maximum Forward Voltage @ T _A =25°C		最大反向 恢复时间 Maximum Reverse Recovery Time	外型尺寸 Package Dimensions
	PRV	I _O @ T _L		I _{FM} (Surge)	I _R	I _{FM}	V _{FM}	T _{rr}	
	V _{PK}	A _{AV}	°C	A _{PK}	μAdc	A _{PK}	V _{PK}	ns	
FR301G	50	3.0	55	125	5.0	3.0	1.3	150	DO – 201AD
FR302G	100							150	
FR303G	200							150	
FR304G	400							150	
FR305G	600							250	
FR306G	800							500	
FR307G	1000							500	

T_{rr}测试条件: I_F = 0.5A, I_R = 1.0A, I_{RR} = 0.25A

T_{rr} Test Conditions: I_F = 0.5A, I_R = 1.0A, I_{RR} = 0.25A



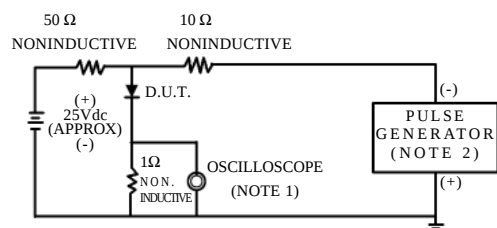
DO – 201AD

FR301G-FR306G

快速 GPP 二极管额定值与特性曲线

RATING & CHARACTERISTIC CURVES OF FAST GPP DIODE

FIG.1-TEST CIRCUIT DIAGRAM AND
REVERSE RECOVERY TIME CHARACTERISTIC



NOTES: 1. Rise Time = 7ns max.
Input Impedance = 1megohm. 22pF.
2. Rise Time = 10ns max.
Source Impedance = 50 ohms.

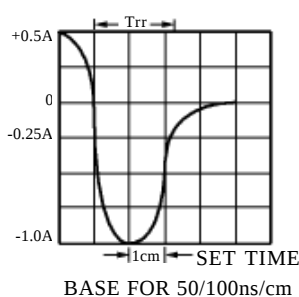


FIG. 2 – TYPICAL FORWARD
CURRENT DERATING CURVE

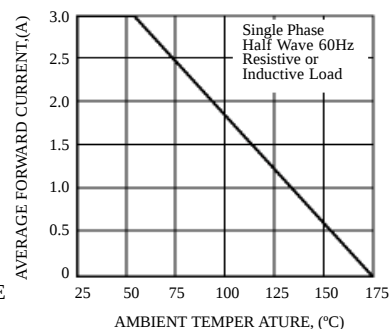


FIG. 3 – TYPICAL INSTANTANEOUS
FORWARD CHARACTERISTICS

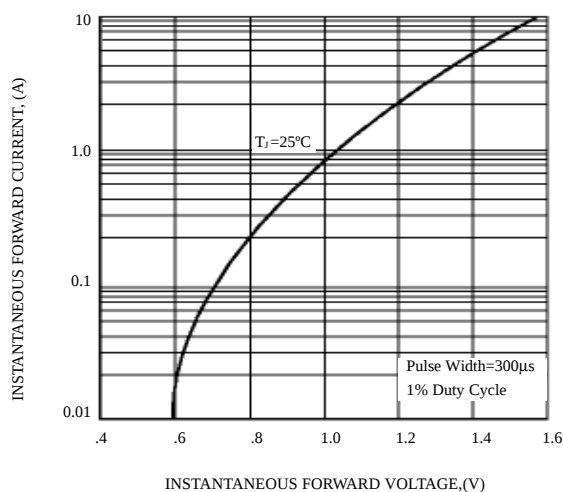


FIG. 4 – MAXIMUM NON-REPETITIVE
FORWARD SURGE CURRENT

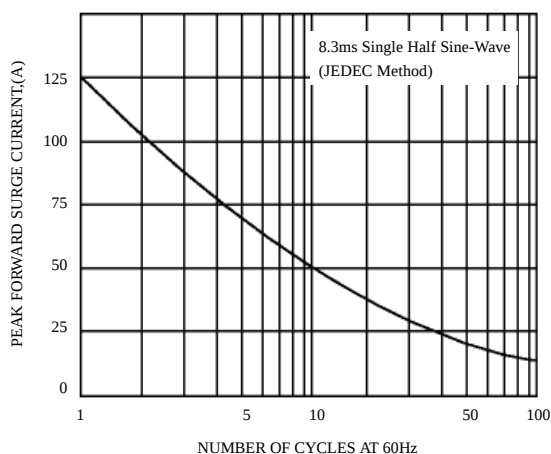


FIG. 5 – TYPICAL JUNCTION CAPACITANCE

