

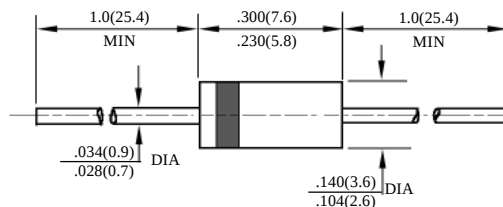
FR151G – FR157G

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	
FR151G	50	1.5	55	30	5.0	1.0	1.3	150	DO – 15
FR152G	100							150	
FR153G	200							150	
FR154G	400							150	
FR155G	600							250	
FR156G	800							500	
FR157G	1000							500	

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

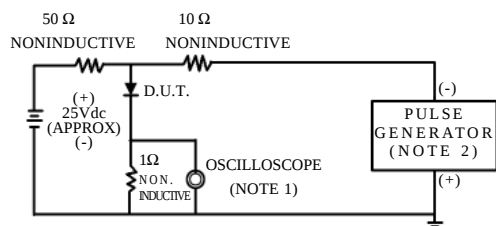
 T_{rr} Test Conditions: I_F = 0.5A, I_R = 1.0A, I_{RR} = 0.25A


DO – 15

FR151G-FR157G

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.

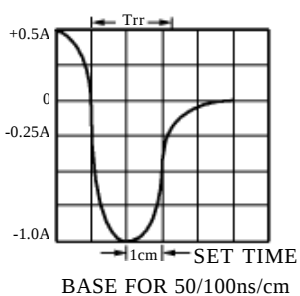
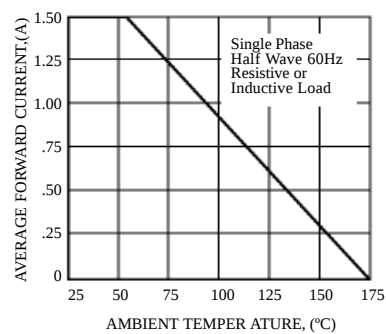
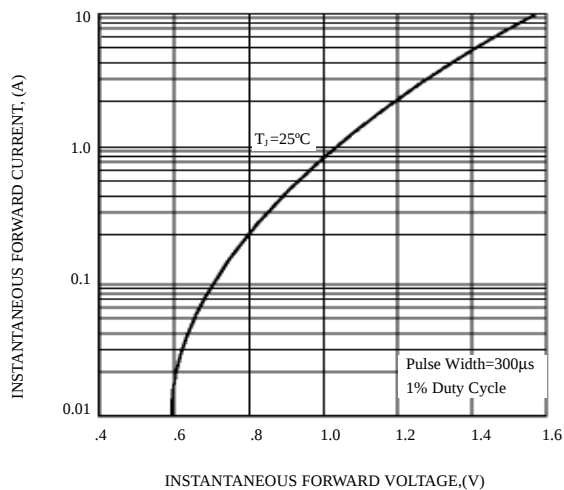
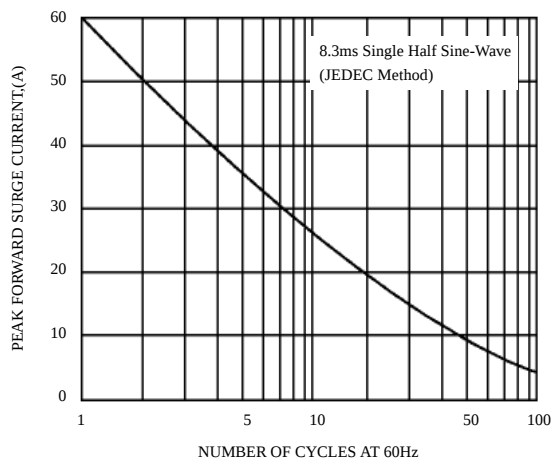

 FIG. 2 – TYPICAL FORWARD
CURRENT DERATING CURVE

 FIG. 3 – TYPICAL INSTANTANEOUS
FORWARD CHARACTERISTICS

 FIG. 4 – MAXIMUM NON-REPETITIVE
FORWARD SURGE CURRENT


FIG. 5 – TYPICAL JUNCTION CAPACITANCE

