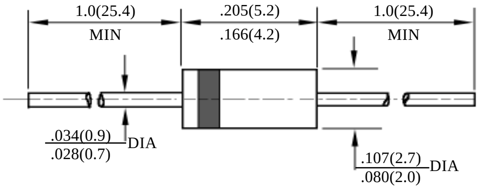
BA157G – BA159G

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	最大反向漏电电流 Maximum Reverse Current @ PRV @ T_A=25ºC	最大正向电压 Maximum Forward Voltage @ T_A=25ºC		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}	Trr	
	V_{PK}	A_{AV}	ºC	A_{PK}	µAdc	A_{PK}	V_{PK}	ns	
BA157G	400	1.0	55	20	5.0	1.0	1.3	150	DO – 41
BA158G	600							250	
BA159DG	800							500	
BA159G	1000							500	

Trr测试条件: I_F = 0.5A, I_R = 1.0A, I_{RR} = 0.25A
Trr Test Conditions: I_F = 0.5A, I_R = 1.0A, I_{RR} = 0.25A



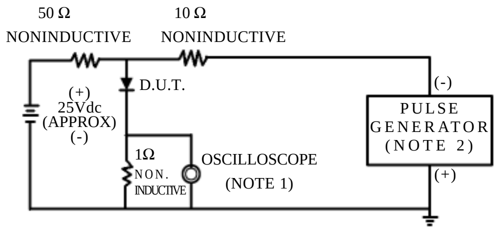
DO – 41

BA157G-BA159G

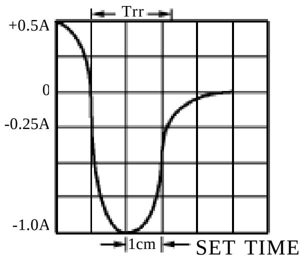
快速 GPP 二极管额定值与特性曲线

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.



BASE FOR 10 ns/cm

FIG. 2 – TYPICAL FORWARD
CURRENT DERATING CURVE

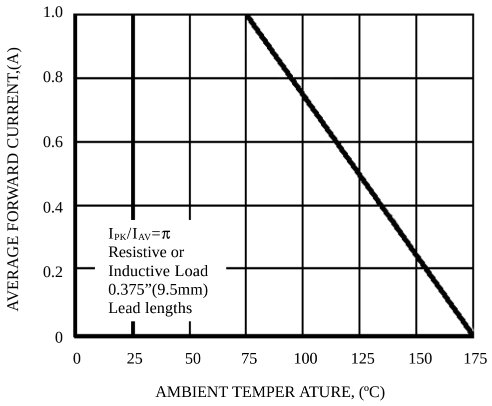


FIG.3 – TYPICAL INSTANTANEOUS FORWARD
CHARACTERISTICS

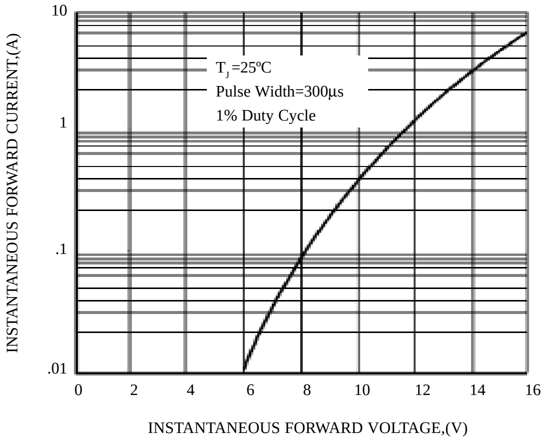


FIG.4 – TYPICAL JUNCTION CAPACITANCE

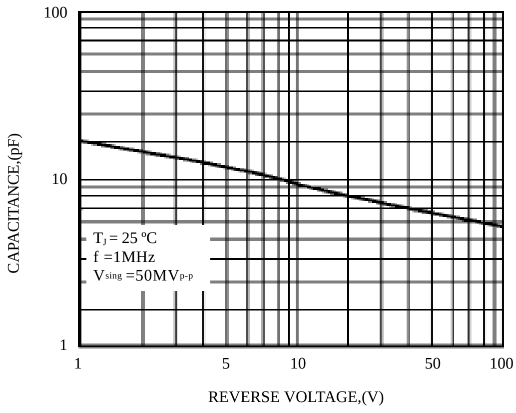


FIG.5 – MAXIMUM NON-REPETITIVE PEAK
FORWARD SURGE CURRENT