

## BA157G – BA159G

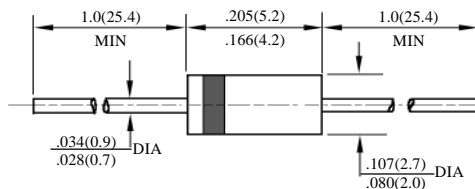
## 快速玻钝二极管

## 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 <sub>A</sub> =25°C	最大正向电压 Maximum Forward Voltage @ T <sub>A</sub> =25°C		最大反向 恢复时间 Maximum Reverse Recovery Time	外型尺寸 Package Dimensions
	PRV	I <sub>O</sub> @ T <sub>L</sub>		I <sub>FM</sub> (Surge)	I <sub>R</sub>	I <sub>FM</sub>	V <sub>FM</sub>	T <sub>rr</sub>	
	V <sub>PK</sub>	A <sub>AV</sub>	°C	A <sub>PK</sub>	μA <sub>dc</sub>	A <sub>PK</sub>	V <sub>PK</sub>	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	

T<sub>rr</sub>测试条件: I<sub>F</sub> = 0.5A, I<sub>R</sub> = 1.0A, I<sub>RR</sub> = 0.25A

T<sub>rr</sub> Test Conditions: I<sub>F</sub> = 0.5A, I<sub>R</sub> = 1.0A, I<sub>RR</sub> = 0.25A



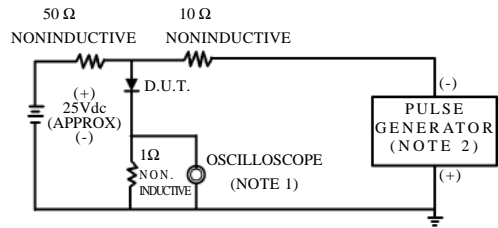
DO - 41

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.

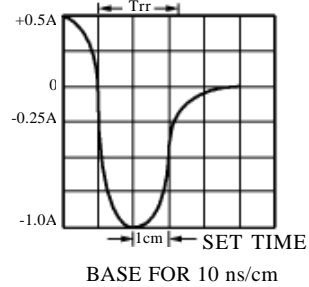


FIG. 2 – TYPICAL FORWARD CURRENT DERATING CURVE

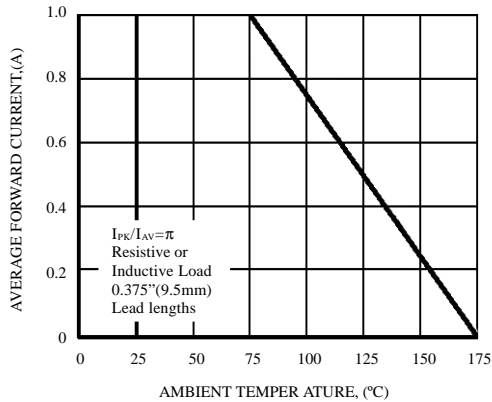


FIG.3 – TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

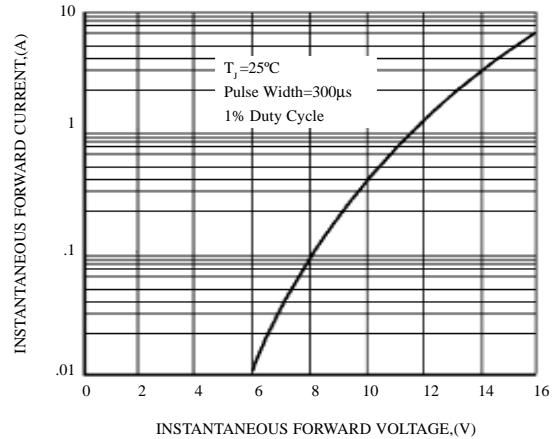


FIG.4 – TYPICAL JUNCTION CAPACITANCE

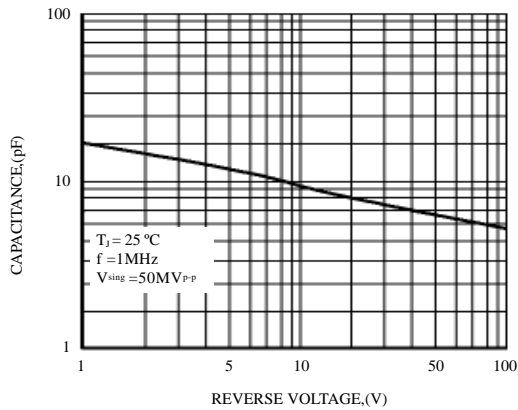
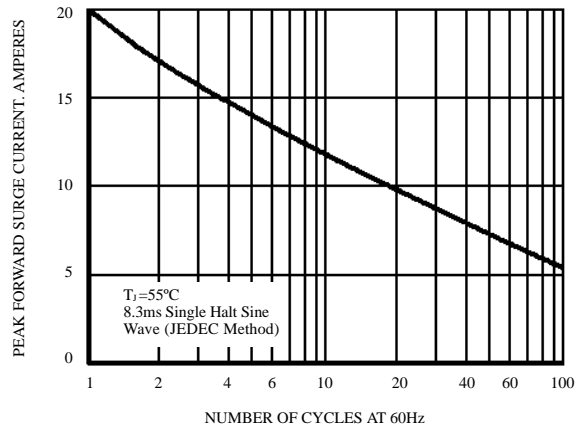


FIG.5 – MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT





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