

FR301 – FR307P

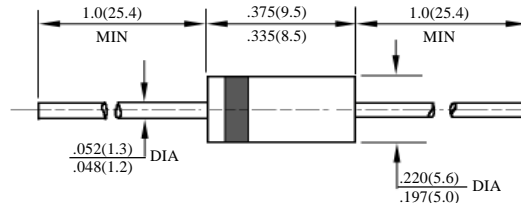
3A 快速二极管

3A FAST RECOVERY 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} | µA _{dc} | A _{PK} | V _{PK} | ns | |
| FR301 | 50 | 3.0 | 75 | 200 | 10 | 3.0 | 1.3 | 150 | DO – 201AD |
| FR302 | 100 | | | | | | | 150 | |
| FR303 | 200 | | | | | | | 150 | |
| FR304 | 400 | | | | | | | 150 | |
| FR305 | 600 | | | | | | | 250 | |
| FR306 | 800 | | | | | | | 500 | |
| FR307 | 1000 | | | | | | | 500 | |
| FR307P | 1000 | | | | | | | 250 | |

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



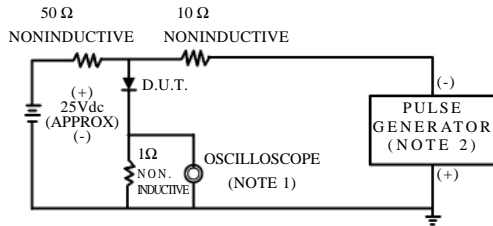
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3A 快速二极管额定值与特性曲线

RATING & CHARACTERISTIC CURVES OF 3A FAST DIODES

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.

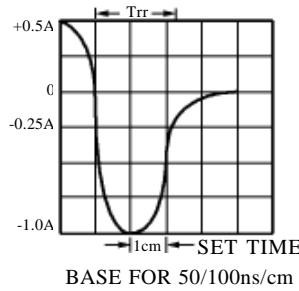


FIG. 2 – TYPICAL FORWARD CURRENT DERATING CURVE

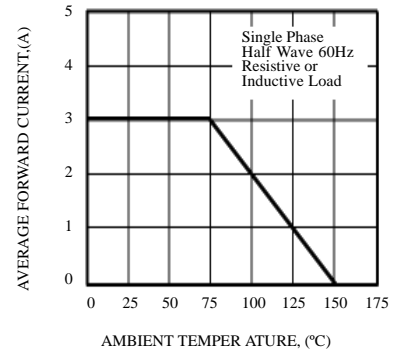


FIG. 3 – TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

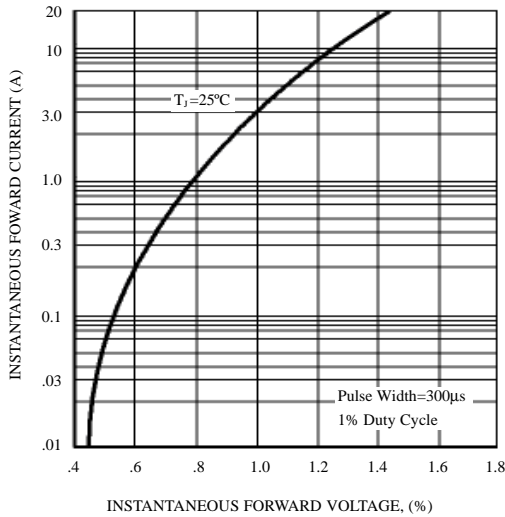


FIG. 4 – MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

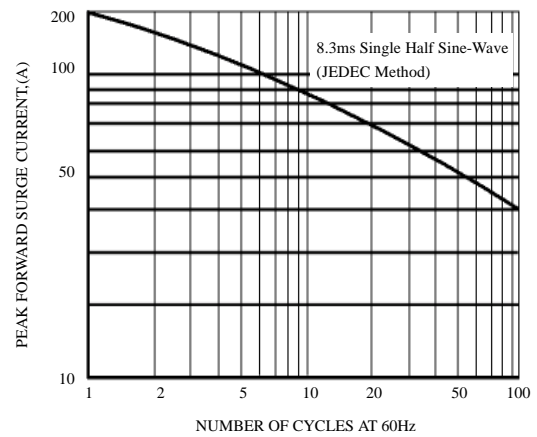


FIG. 5 – TYPICAL JUNCTION CAPACITANCE

