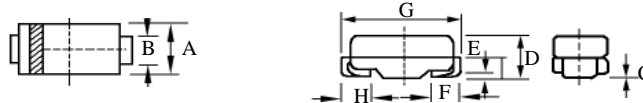


**FFM101 – FFM107**
**1A 片式快速二极管**
**1A FAST RECOVERY SMA DIODES**

| 型号<br>TYPE | 印字<br>Marking | 反向重复<br>峰值电压<br>$V_{RRM}(V)$ | 正向<br>平均电流<br>$I_F(A)$ | 正向<br>峰值电压<br>$V_F(V)$ | 反向<br>峰值电流<br>$I_{RM}(\mu A)$ | 正向<br>浪涌电流<br>$I_{FSM}(A)$ | 反向<br>恢复时间<br>$T_{rr}(ns)$ | 外形尺寸<br>Package<br>Dimensions |
|------------|---------------|------------------------------|------------------------|------------------------|-------------------------------|----------------------------|----------------------------|-------------------------------|
| FFM101     | FF1           | 50                           |                        |                        |                               |                            |                            | DO – 214AC                    |
| FFM102     | FF2           | 100                          |                        |                        |                               |                            |                            |                               |
| FFM103     | FF3           | 200                          | 1.0                    | 1.3                    | 5.0                           | 30                         | 150                        |                               |
| FFM104     | FF4           | 400                          |                        |                        |                               |                            |                            |                               |
| FFM105     | FF5           | 600                          |                        |                        |                               |                            |                            |                               |
| FFM106     | FF6           | 800                          |                        |                        |                               |                            | 250                        |                               |
| FFM107     | FF7           | 1000                         |                        |                        |                               |                            | 500                        |                               |

Trr 测试条件:  $I_F=1A, I_R=0.5A, I_{RR}=0.25A$

Trr Test Conditions:  $I_F=1A, I_R=0.5A, I_{RR}=0.25A$



| A                             | B                             | C                               | D                             | E                             | F                             | G                             | H                             |
|-------------------------------|-------------------------------|---------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| $\frac{.110(2.8)}{.086(2.2)}$ | $\frac{.067(1.7)}{.051(1.3)}$ | $\frac{.008}{(.2)} \text{ MAX}$ | $\frac{.091(2.3)}{.067(1.7)}$ | $\frac{.051(1.3)}{.008(0.2)}$ | $\frac{.059(1.5)}{.035(0.9)}$ | $\frac{.209(5.3)}{.185(4.7)}$ | $\frac{.059(1.5)}{.035(0.9)}$ |

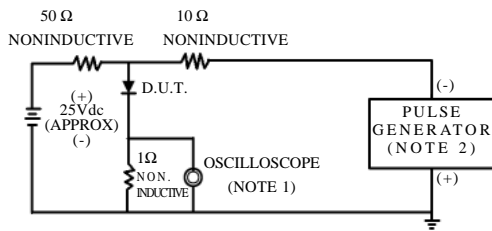
DO – 214AC

FFM101 – FFM107

1 A 片式快速二极管额定值与特性曲线

RATING & CHARACTERISTIC CURVES OF 1A FAST RECOVERY SMA 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.

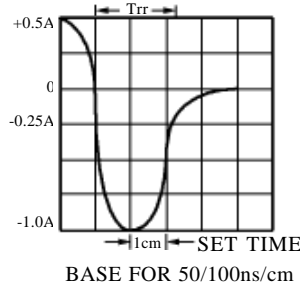


FIG. 2 – TYPICAL FORWARD CURRENT DERATING CURVE

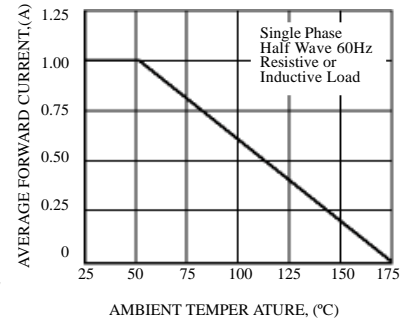


FIG. 3 – TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

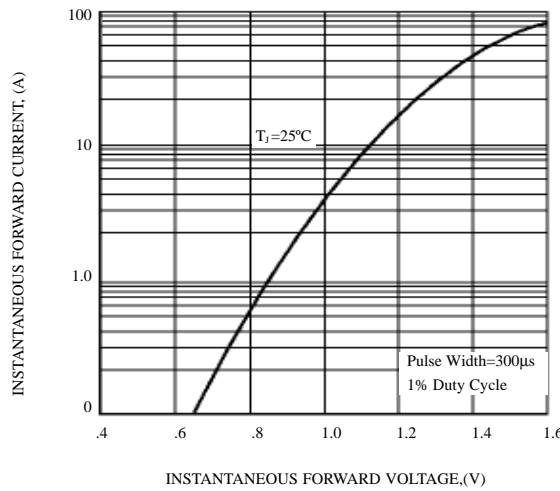


FIG. 4 – MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

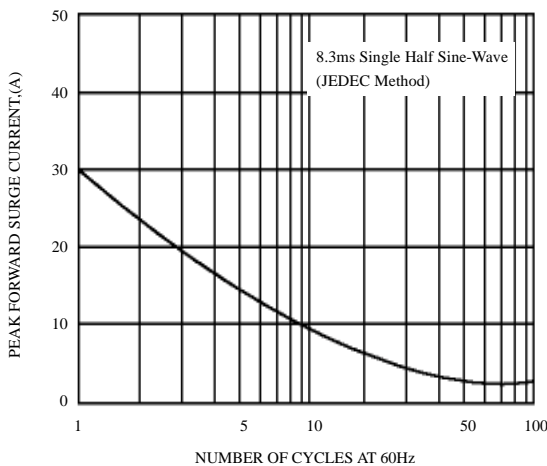


FIG. 5 – TYPICAL JUNCTION CAPACITANCE

