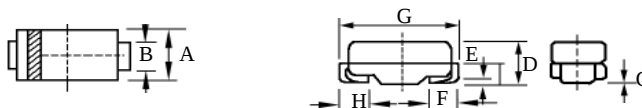


FM4933 – FM4937
1A 片式快速二极管
1A FAST RECOVERY SMA DIODES

型 号 TYPE	印 字 Marking	反 向 重 复 峰 值 电 压 $V_{RRM}(V)$	正 向 平 均 电 流 $I_F(A)$	正 向 峰 值 电 压 $V_F(V)$	反 向 峰 值 电 流 $I_{RM}(\mu A)$	正 向 浪 涌 电 流 $I_{P8M}(A)$	反 向 恢 复 时 间 $T_{rr}(ns)$	外形尺寸 Package Dimensions
FM4933	FM3	50	1.0	1.20	5.0	30	150	DO – 214AC
FM4934	FM4	100						
FM4935	FM5	200						
FM4936	FM6	400						
FM4937	FM7	600						

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
$\frac{.110(2.8)}{.086(2.2)}$	$\frac{.067(1.7)}{.051(1.3)}$	$\frac{.008 \text{ MAX}}{(.2)}$	$\frac{.091(2.3)}{.067(1.7)}$	$\frac{.051(1.3)}{.008(0.2)}$	$\frac{.059(1.5)}{.035(0.9)}$	$\frac{.209(5.3)}{.185(4.7)}$	$\frac{.059(1.5)}{.035(0.9)}$

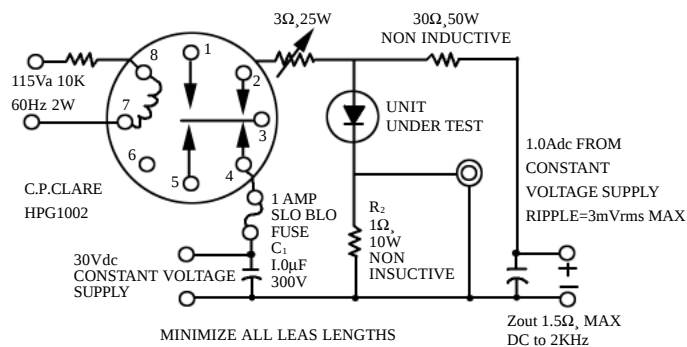
DO – 214AC

FM4933 – FM4937

1A 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-REVERSE RECOVERY TIME CHARACTERISTIC AND TEST CIRCUIT DIAGRAM



A TEKTRONIX 545A.K PLUG IN PRE AMP
P6000 PROBE OR EQUIVALENT
R₁ ADJUSTED FOR 1.4 Ω, BETWEEN
POINT 2 OF RELAY AND RECTIFIER
INDUCTIVE = 38μH

R₂ TEN 1W 10Ω, % CARBON CORE
IN PARALLEL
T_A 25^{±10} °C FOR RECTIFIER

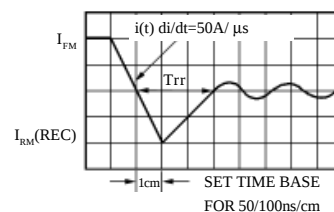
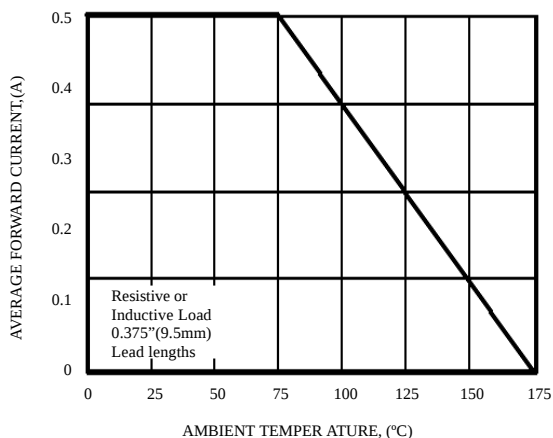

 FIG. 2 - TYPICAL FORWARD
CURRENT DERATING CURVE


FIG.4-TYPICAL JUNCTION CAPACITANCE

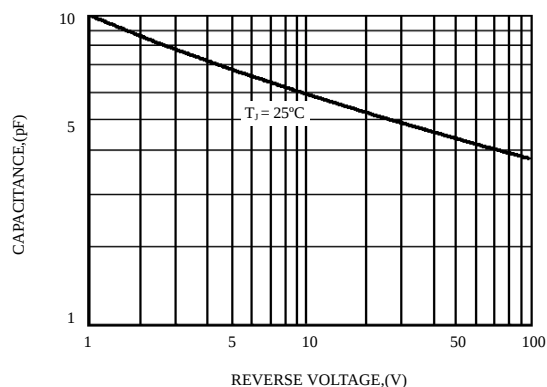


FIG.3-TYPICAL FORWARD CHARACTERISTICS

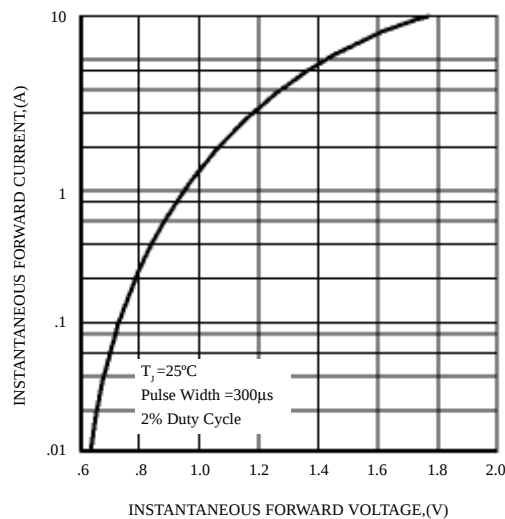


FIG.5-TYPICAL REVERSE CHARACTERISTICS

