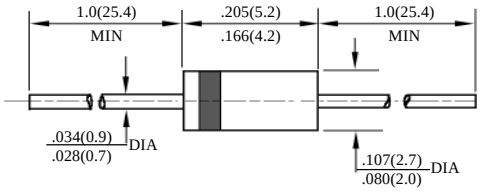
FR101– FR107

1A 快速二极管
1A 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	
FR101	50	1.0	75	30	5.0	1.0	1.3	150	DO – 41
FR102	100							150	
FR103	200							150	
FR104	400							150	
FR105	600							250	
FR105P	600							150	
FR106	800							500	
FR107	1000							500	
FR107P	1000							250	

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



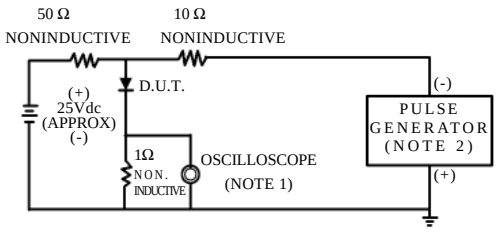
DO – 41

FR101–FR107P

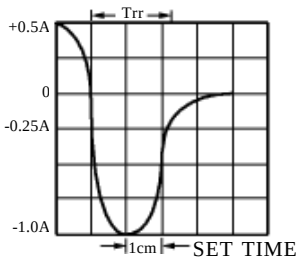
快速二极管额定值与特性曲线

RATING & CHARACTERISTIC CURVES OF FAST RECOVERY DIODES

FIG.1–TEST CIRCUIT DIAGRAM AND
REVERSE RECOVERY TIME CHARACTERISTIC

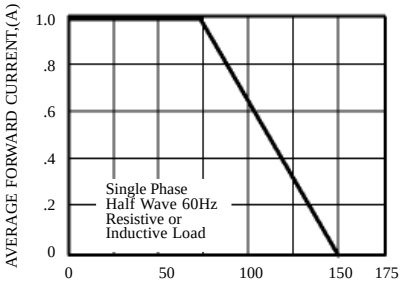


NOTES:1.Rise Time=7ns max.
Input Impedance=1megohm.22pF.
2.Rise Time=10ns max.
Source Impedance=50 ohms.



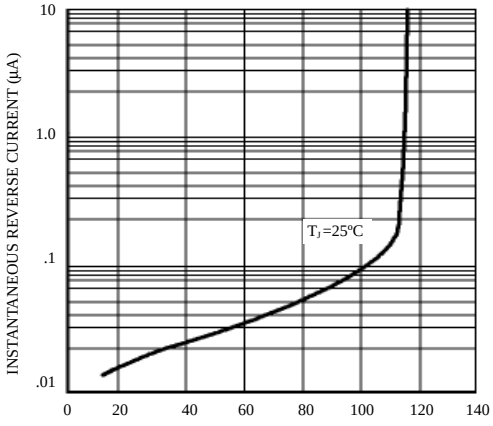
BASE FOR 50/100ns/cm

FIG. 2 – TYPICAL FORWARD
CURRENT DERATING CURVE



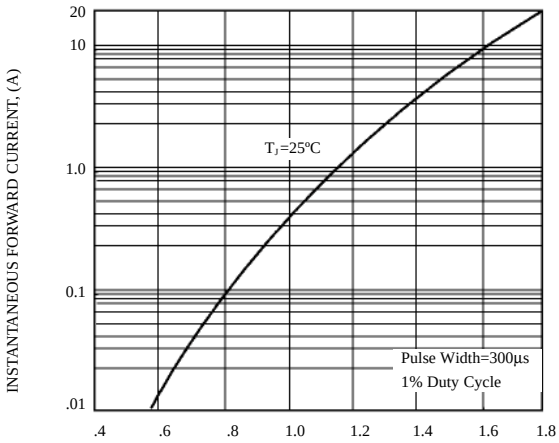
AMBIENT TEMPER ATURE, (ºC)

FIG. 3 – TYPICAL REVERSE
CHARACTERISTICS



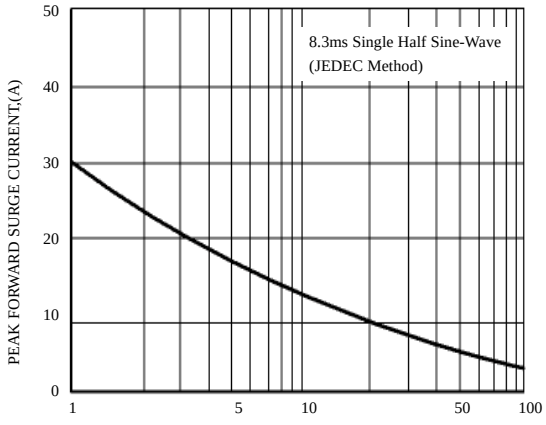
PERCENT OF RATED PEAK REVERSE VOLTAGE, (%)

FIG. 4 – TYPICAL INSTANTANEOUS
FORWARD CHARACTERISTICS



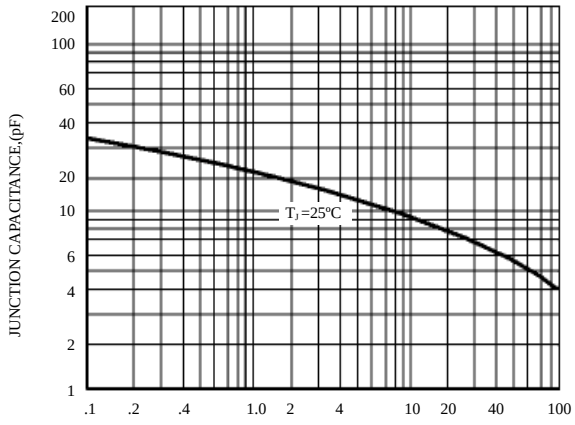
INSTANTANEOUS FORWARD VOLTAGE,(V)

FIG. 5 – MAXINUM NON-REPETITIVE
FOWARD SURGE CURRENT



NUMBER OF CYCLES AT 60Hz

FIG. 6 – TYPICAL JUNCTION CAPACITANCE



REVERSE VOLTAGE,(V)