

1N4933E – 1N4937E

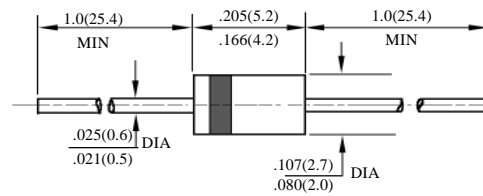
## 1A 快速二极管

## 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	
1N4933E	50	1.0	75	30	5.0	1.0	1.2	200	A – 405
1N4934E	100								
1N4935E	200								
1N4936E	400								
1N4937E	600								

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



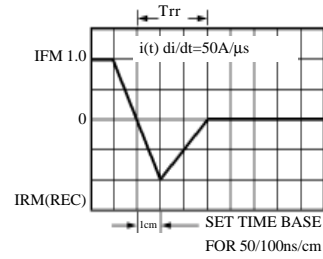
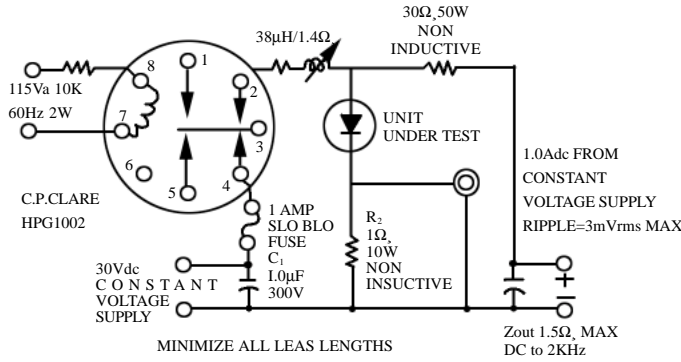
A – 405

1N4933 – 1N4937

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



A TEKTRONIX 545A.K PLUG IN PRE AMP P6000 PROBE OR EQUIVALENT  
 R<sub>1</sub> ADJUSTED FOR 1.4 Ω, BETWEEN POINT 2 OF RELAY AND RECTIFIER INDUCTIVE =38µH  
 R<sub>2</sub> TEN 1W 10Ω,% CARBON CORE IN PARALLEL  
 T<sub>A</sub> 25<sup>±0.5</sup> °C FOR RECTIFIER

FIG. 2 – TYPICAL FORWARD CURRENT DERATING CURVE

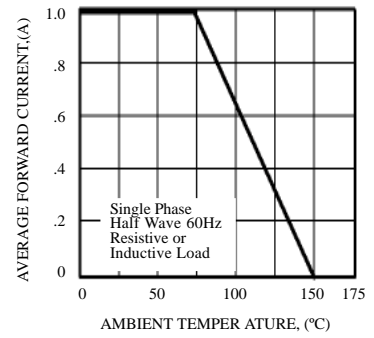


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

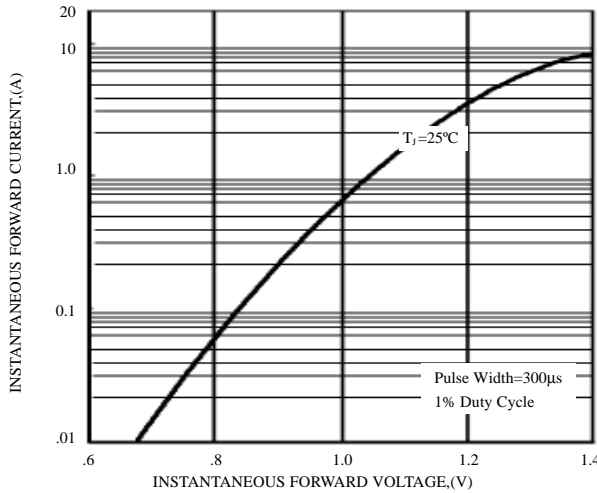


FIG. 4 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

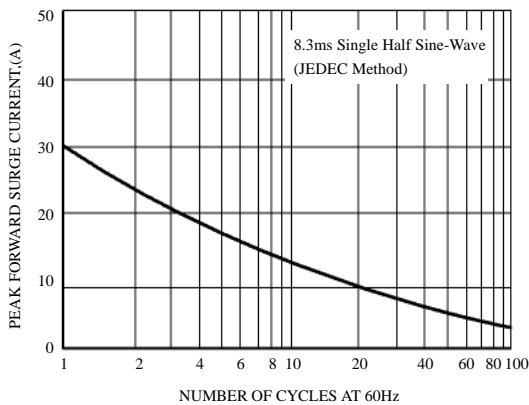
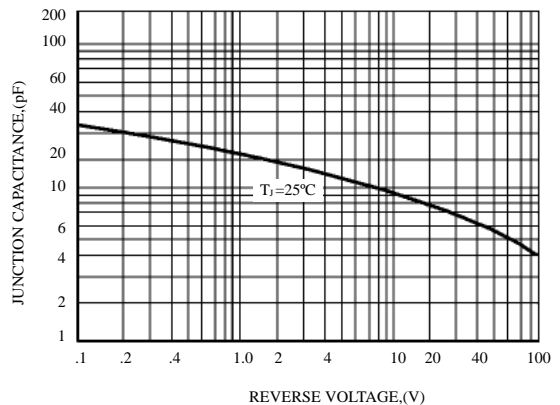


FIG. 5 - TYPICAL JUNCTION CAPACITANCE





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