DC COMPONENTS CO., LTD.

RECTIFIER SPECIALISTS

1N4933G THRU 1N4937G

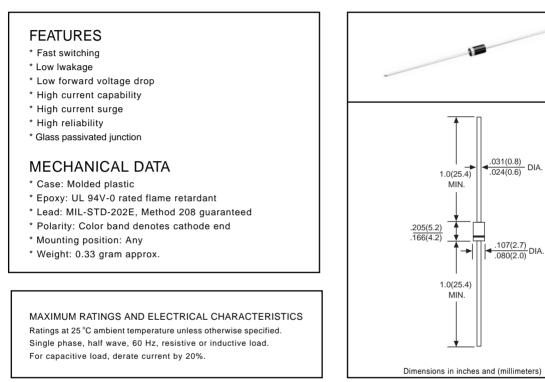
DO-41

TECHNICAL SPECIFICATIONS OF FAST RECOVERY RECTIFIER

VOLTAGE RANGE - 50 to 600 Volts

R

CURRENT - 1.0 Ampere



| | SYMBOL | 1N4933G | 1N4934G | 1N4935G | 1N4936G | 1N4937G | UNITS |
|--|----------|-------------|---------|---------|---------|---------|---------|
| Maximum Recurrent Peak Reverse Voltage | Vrrm | 50 | 100 | 200 | 400 | 600 | Volts |
| Maximum RMS Voltage | Vrms | 35 | 70 | 140 | 280 | 420 | Volts |
| Maximum DC Blocking Voltage | VDC | 50 | 100 | 200 | 400 | 600 | Volts |
| Maximum Average Forward Rectified Current at TA = 55°C | lo | 1.0 | | | | | Amps |
| Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method) | IFSM | 30 | | | | | Amps |
| Maximum Instantaneous Forward Voltage at 1.0A DC | VF | 1.3 | | | | | Volts |
| Maximum DC Reverse Current at Rated DC Blocking Voltage TA=25 ⁰ C | 5.0 | | | | | | – μAmps |
| Maximum Full Load Reverse Current Average, Full Cycle .375"(9.5mm) lead length at T ∟ = 55°C | | 100 | | | | | |
| Maximum Reverse Recovery Time (Note 1) | trr | 150 250 | | | 250 | nSec | |
| Typical Junction Capacitance (Note 2) | CJ | 15 | | | | | pF |
| Operating and Storage Temperature Range | TJ, TSTG | -65 to +150 | | | | | ٥C |

NOTES : 1. Test Conditions: IF = 0.5A, IR = 1.0A, IRR = 0.25A

2. Measured at 1MHz and applied reverse voltage of 4.0 volts

RATING AND CHARACTERISTIC CURVES (1N4933G THRU 1N4937G)

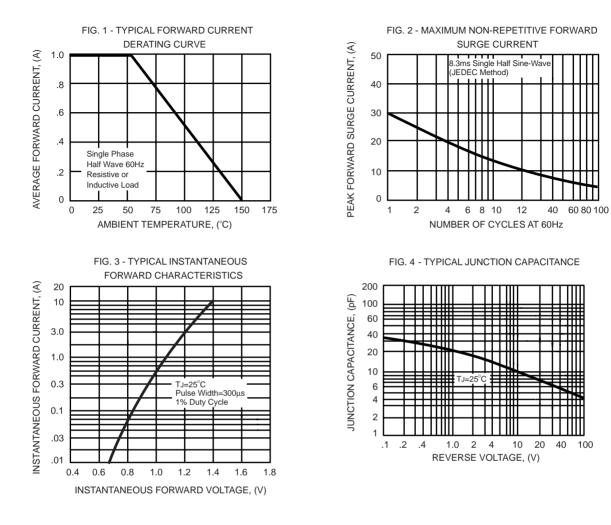
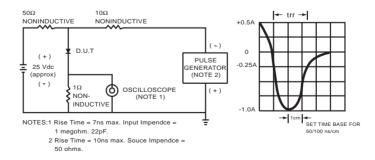


FIG. 5 - TEST CIRCUIT DIAGRAM AND REVERSE RECOVERY TIME CHARAC TERISTIC



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