1N4933 THRU 1N4937

FAST RECOVERY PLASTIC RECTIFIER

VOLTAGE：50-600V **CURRENT：1.0A**

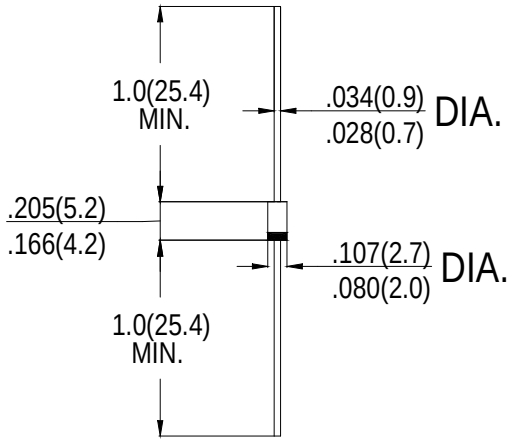
FEATURES

- Fast switching
- Low leakage
- Low forward voltage drop
- High current capability
- High surge capability
- High reliability

MECHANICAL DATA

- ***Case***: Molded plastic
- ***Epoxy***: UL94V-0 rate flame retardant
- ***Lead***: MIL-STD- 202E, Method 208 guaranteed
- ***Polarity***:Color band denotes cathode end
- ***Mounting position***: Any
- ***Weight***: 0.33 grams

DO-41



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRONICAL CHARACTERISTICS

Ratings at 25℃ ambient temperature unless otherwise specified.
Single phase, half wave, 60Hz,resistive or inductive load.
For capacitive load, derate current by 20%.

	SYMBOL	1N4933	1N4934	1N4935	1N4936	1N4937	units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	V
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	V
Maximum Average Forward rectified Current at T_A=75°C	I_o	1.0					A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rate load (JEDEC method)	I_{FSM}	30					A
Maximum Instantaneous forward Voltage at 1.0A DC	V_F	1.3					V
Maximum DC Reverse Current at Rated DC Blocking Voltage T_A=25°C	I_R	5.0					μA
Maximum Full Load Reverse Current Full Cycle Average,.375”(9.5mm) lead length at T_L=75°C		100					
Maximum Reverse Recovery Time (Note 1)	t_{rr}	150				250	nS
Typical Junction Capacitance (Note 2)	C_J	15					pF

Notes: 1.Test Conditions: I_F=0.5A, I_R=1.0A, I_{RR}=0.25A
2.Measured at 1MHz and applied reverse voltage of 4.0 volts