1N4933 --1N4937

PLASTIC SILICON RECTIFIERS

VOLTAGE RANGE: 50 --- 600 V
CURRENT: 1.0 A

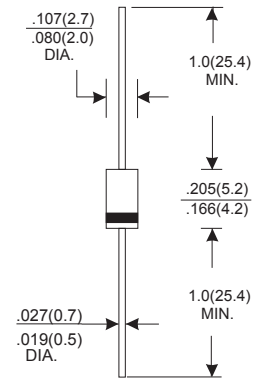
FEATURES

- Low Leakage Cur rent
- Metalurgically Bonded Construction
- Low Cost
- Fast Switching

MECHANICAL DATA

- Case:DO-41 molded plastic body
- Terminals:Lead solderable per MIL-STD-750,method 2026
- Polarity:Color band denotes cathode end
- Mounting Position:Any

DO-41



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)Single phase,half wave,60 Hz,resistive or inductive load.
For capacitive load,derate by 20%.

TYPE NUMBER	Symbols	Units	1N 4933	1N 4934	1N 4935	1N 4936	1N 4937
Maximum repetitive peak reverse voltage	V_{RRM}	V	50	100	200	400	600
Maximum RMS voltage	V_{RMS}	V	35	70	140	280	420
Maximum DC blocking voltage	V_{DC}	V	50	100	200	400	600
Maximum average forward rectified current 9.5mm lead length at T_A=55℃	$I_{F(AV)}$	A	1.0				
Peak Forward Surge Current,8.3ms single half-wave superimposed on rated load (JEDEC method)	I_{FSM}	A	30				
Operating junction temperature range	T_J	℃	-65to+125				
Storage temperature range	T_{stg}	℃	-65to+150				
Maximum instantaneous forward voltage at1.0A	V_F	V	1.3				
Maximum DC reverse current at rated DC blocking voltage Ta=25℃	I_{R1}	μA	5.0				
Ta=100℃	I_{R2}	μA	100.0				
Maximum reverse recovery time (test conditions:IF=0.5A,IR=1.0A,IRR=0.25A)	Trr	nS	200				