

PLASTIC SILICON RECTIFIERS

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

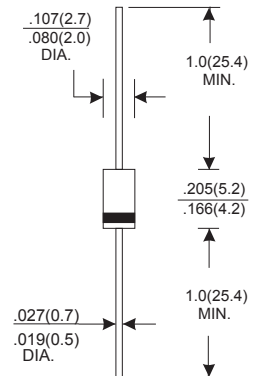
FEATURES

- Low Leakage Current
- 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	VRRM	V	50	100	200	400	600
Maximum RMS voltage	VRMS	V	35	70	140	280	420
Maximum DC blocking voltage	VDC	V	50	100	200	400	600
Maximum average forward rectified current 9.5mm lead length at T _A =55°C	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	°C	-65to+125				
Storage temperature range	T _{stg}	°C	-65to+150				
Maximum instantaneous forward voltage at 1.0A	V _F	V	1.3				
Maximum DC reverse current at rated DC blocking voltage	T _a =25°C	I _{R1}	μA	5.0			
	T _a =100°C	I _{R2}	μA	100.0			
Maximum reverse recovery time (test conditions: I _F =0.5A, I _R =1.0A, I _{RR} =0.25A)	T _{rr}	nS	200				