

• High current capability.

DO-41 COLOR BAND DENOTES CATHODE

Fast Rectifiers

Absolute Maximum Ratings* T_A = 25°C unless otherwise noted

Symbol	Parameter	Value					Units
		4933	4934	4935	4936	4937	
V _{RRM}	Maximum Repetitive Reverse Voltage	50	100	200	400	600	V
I _{F(AV)}	Average Rectified Forward Current, .375 " lead length @ $T_A = 50^{\circ}C$	1.0					А
I _{FSM}	Non-repetitive Peak Forward Surge Current 8.3 ms Single Half-Sine-Wave	30				А	
T _{stg}	Storage Temperature Range	-50 to +150					°C
TJ	Operating Junction Temperature	-50 to +150				°C	

*These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

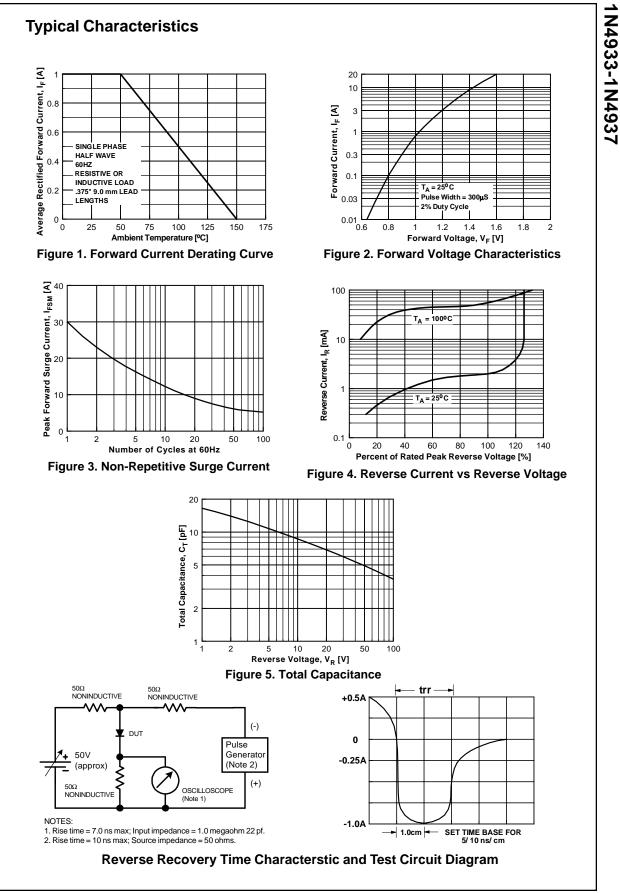
Thermal Characteristics

Symbol	Parameter	Value	Units	
P _D	Power Dissipation	2.5	W	
$R_{_{ ext{ hetaJA}}}$	Thermal Resistance, Junction to Ambient	50	°C/W	

Electrical Characteristics T_A = 25°C unless otherwise noted

Symbol	Parameter		Units			
		4933	4934	4935	4936	4937
V _F	Forward Voltage @ 1.0 A	1.2				V
t _{rr}	Reverse Recovery Time $I_F = 0.5 \text{ A}, I_R = 1.0 \text{ A}, I_R = 0.25 \text{ A}$	150				ns
I _R	Reverse Current @ rated V_R $T_A = 25^{\circ}C$ $T_A = 125^{\circ}C$	5.0 100				μΑ μΑ
C _T	Total Capacitance $V_R = 4.0 \text{ V}, \text{ f} = 1.0 \text{ MHz}$	12				pF

1N4933-1N4937



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