

1N4933GP - 1N4937GP

Features

- Low forward voltage drop.
- High surge current capability.
- High reliability.
- High current capability.



DO-41 COLOR BAND DENOTES CATHODE

Fast Rectifiers (Glass Passivated)

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

Symbol	Parameter	Value					Units
		4933G	4934	4935	4936	4937	1
V _{RRM}	Maximum Repetitive Reverse Voltage	50	100	200	400	600	V
I _{F(AV)}	Average Rectified Forward Current, .375 " lead length @ $T_A = 75^{\circ}C$	1.0				A	
I _{FSM}	Non-repetitive Peak Forward Surge Current 8.3 ms Single Half-Sine-Wave	30				A	
T _{stg}	Storage Temperature Range	-65 to +175				°C	
TJ	Operating Junction Temperature	-65 to +175				°C	

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

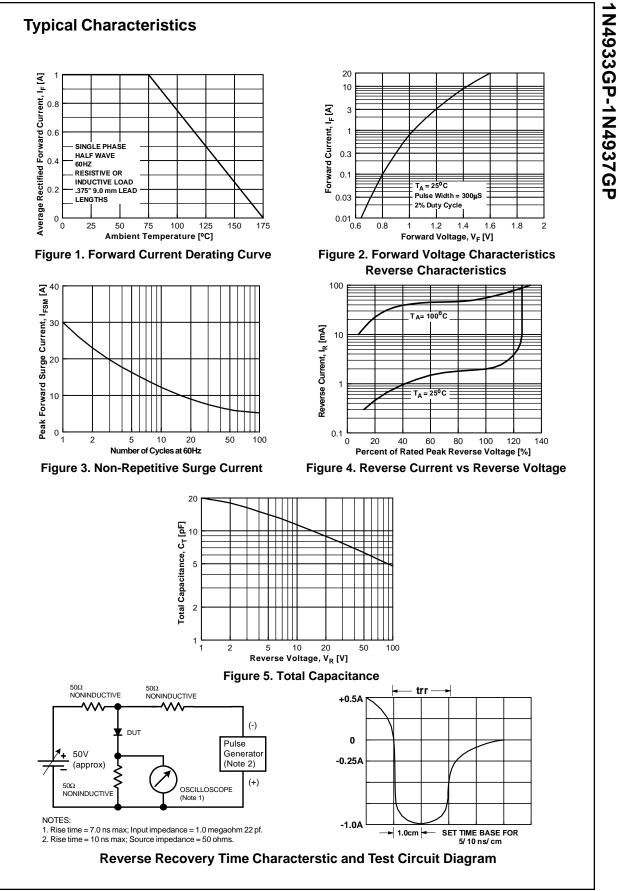
Thermal Characteristics

Symbol	Parameter	Value	Units
P _D	Power Dissipation	2.73	W
$R_{ extsf{ heta}JA}$	Thermal Resistance, Junction to Ambient	55	°C/W

Electrical Characteristics T_A = 25°C unless otherwise noted

Symbol	Parameter		Device				
		4933G	4934	4935	4936	4937	1
V _F	Forward Voltage @ 1.0 A	1.2			V		
t _{rr}	Reverse Recovery Time $I_F = 0.5 A, I_R = 1.0 A, I_{rr} = 0.25 A$		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 V, f = 1.0 MHz		15				pF

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