imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

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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				Α	
I _{FSM}	Non-repetitive Peak Forward Surge Current 8.3 ms Single Half-Sine-Wave	30				А	
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.

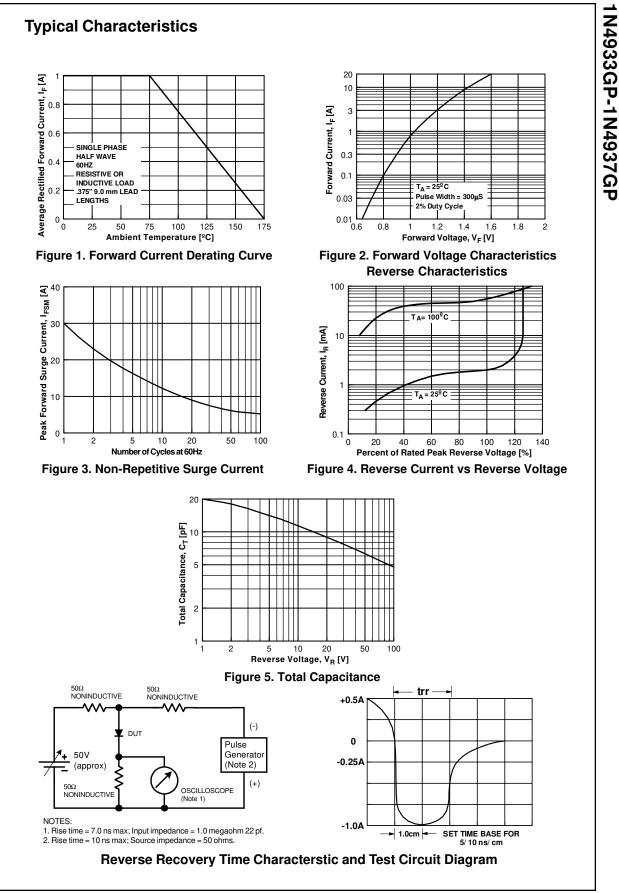
Thermal Characteristics

Symbol	Parameter	Value	Units
P _D	Power Dissipation	2.73	W
$R_{ ext{ hetaJA}}$	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 $I_F = 0.5 A$, $I_B = 1.0 A$, $I_{rr} = 0.25 A$	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 _B = 4.0 V, f = 1.0 MHz	15				pF	

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PRODUCT STATUS DEFINITIONS

Definition of Terms

Product Status	Definition			
Formative or In Design	This datasheet contains the design specifications for product development. Specifications may change in any manner without notice.			
First Production	This datasheet contains preliminary data, and supplementary data will be published at a later date. Fairchild Semiconductor reserves the right to make changes at any time without notice in order to improve design.			
Full Production	This datasheet contains final specifications. Fairchild Semiconductor reserves the right to make changes at any time without notice in order to improve design.			
Not In Production	This datasheet contains specifications on a product that has been discontinued by Fairchild semiconducto The datasheet is printed for reference information on			
	Formative or In Design First Production Full Production			

Rev. H4