

1.0 Ampere Glass Passivated Fast Recovery Rectifiers

Symbol	Parameter	Value	Units
I _{F(AV)}	Average Rectified Current .375 " lead length @ T_A = 75°C	1.0	A
I _{FSM}	Non-repetitive Peak Forward Surge Current 8.3 ms single half-sine-wave Superimposed on rated load (JEDEC method)	30	А
PD	Total Device Dissipation Derate above 25°C	2.73 18	W mW/°C
$R_{ ext{ heta}JA}$	Thermal Resistance, Junction to Ambient	55	°C/W
T _{stg}	Storage Temperature Range	-65 to +175	°C
TJ	Operating Junction Temperature	-65 to +175	۵°

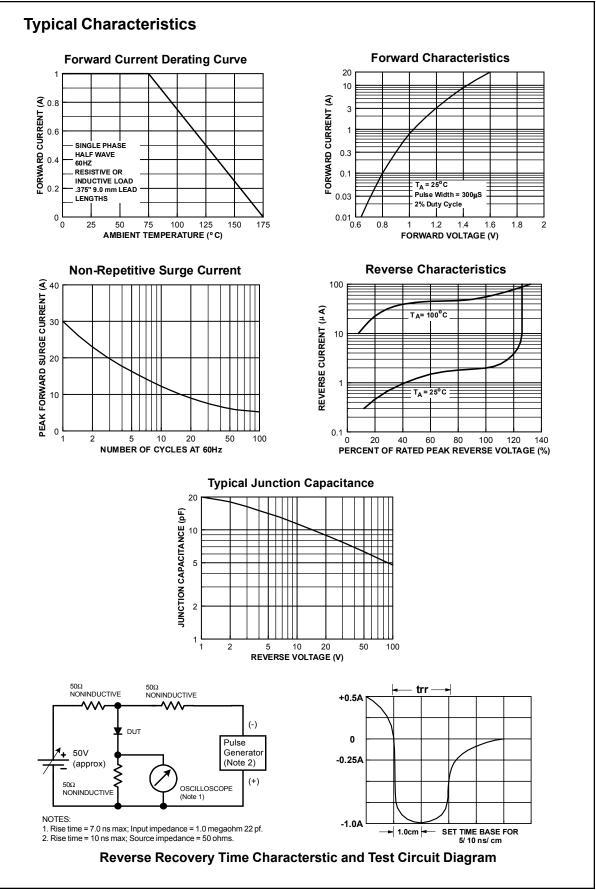
Absolute Maximum Ratings* T_A = 25°C unless otherwise noted

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

Electrical Characteristics T_A = 25°C unless otherwise noted

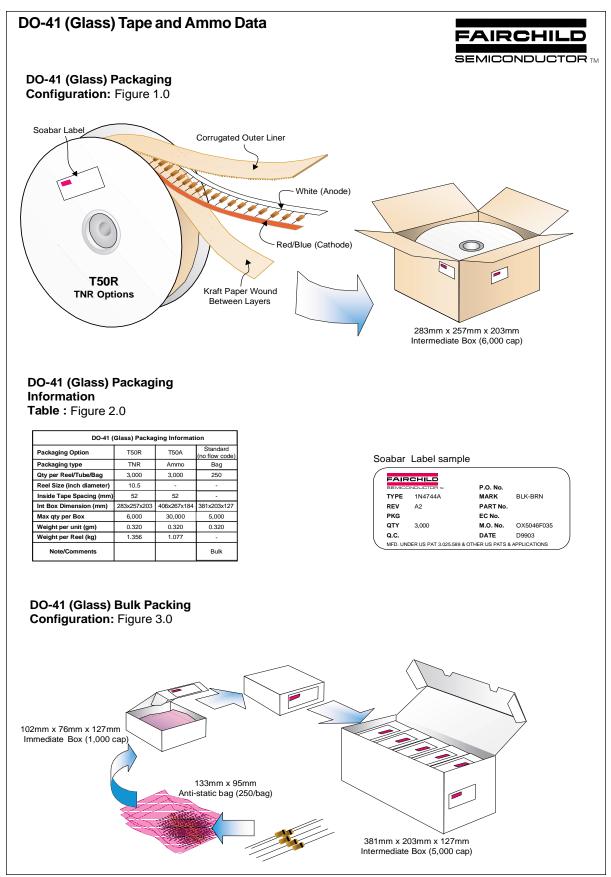
Symbol	Parameter		Device				
		4933G	4934	4935	4936	4937	1
V _{RRM}	Maximum Repetitive Reverse Voltage	50	100	200	400	600	V
V _{RMS}	Maximum RMS Voltage		70	140	280	420	V
VR	DC Reverse Voltage (Rated V _R)	50	100	200	400	600	V
I _R	Maximum Instantaneous Reverse Current @ rated V_R $T_A = 25^{\circ}C$ $T_A = 125^{\circ}C$		5.0 100		μΑ μΑ		
trr	Maximum Instantaneous Reverse Recovery Time I _F = 0.5 A, I _R = 1.0 A, I _{RR} = 0.25A	150		ns			
V _{FM}	Maximum Forward Voltage @ 1.0 A 1.2			V			
С	Typical Junction Capacitance V_{R} = 4.0 V, f = 1.0 MHz		15		pF		

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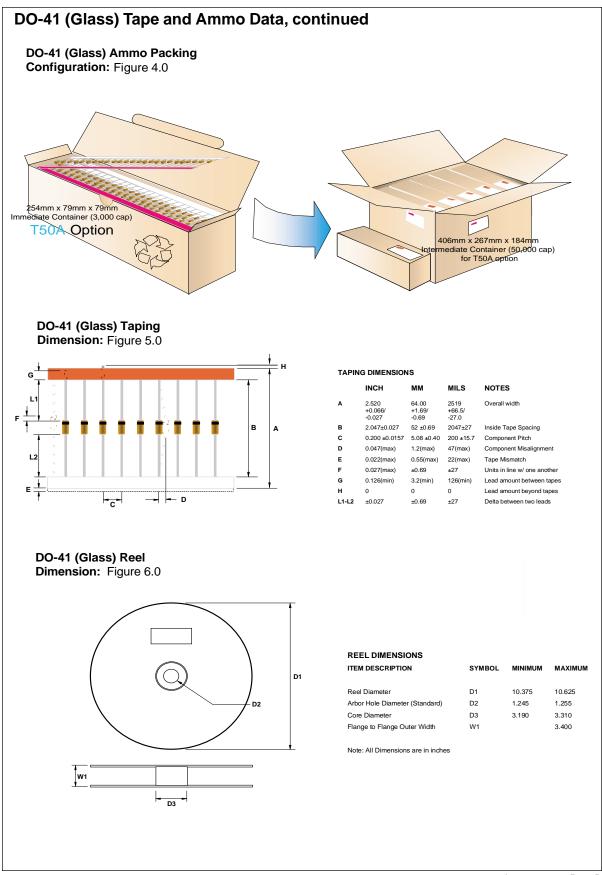
1N4933GP-1N4937GP

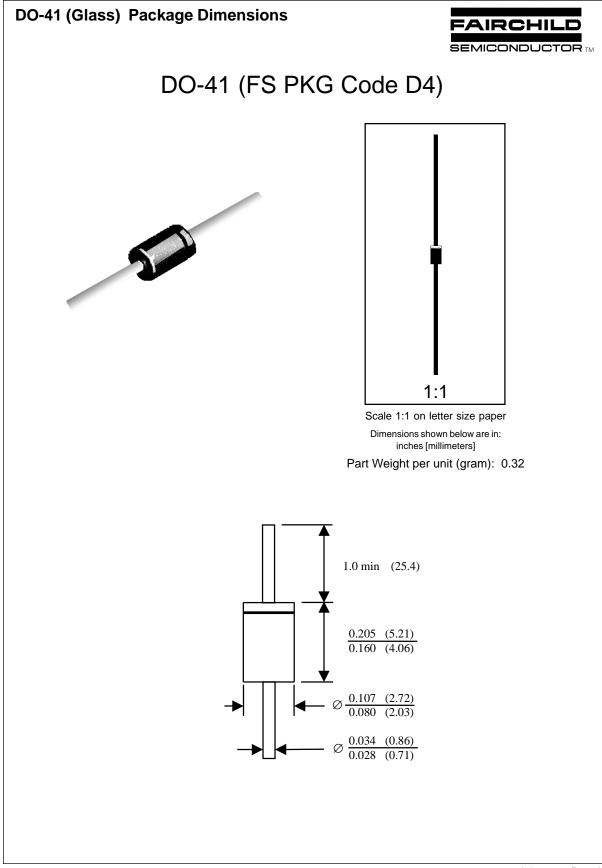
1N4933GP-1N4937GP, Rev. A1



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