

Ordering Information

Part Number	Top Mark	Package	Packing Method
1N4934	1N4934	DO-204AL (DO-41)	Tape and Reel
1N4935	1N4935	DO-204AL (DO-41)	Tape and Reel
1N4936	1N4936	DO-204AL (DO-41)	Tape and Reel
1N4937	1N4937	DO-204AL (DO-41)	Tape and Reel

Absolute Maximum Ratings

Stresses exceeding the absolute maximum ratings may damage the device. The device may not function or be operable above the recommended operating conditions and stressing the parts to these levels is not recommended. In addition, extended exposure to stresses above the recommended operating conditions may affect device reliability. The absolute maximum ratings are stress ratings only. Values are at $T_A = 25^{\circ}$ C unless otherwise noted.

Symbol	Parameter	Value				Unit	
Symbol	i alameter	1N4934	1N4935	1N4936	1N4937	onit	
V _{RRM}	Maximum Repetitive Reverse Voltage	100	200	400	600	V	
I _{F(AV)}	Average Rectified Forward Current .375 " Lead Length at $T_A = 50^{\circ}C$	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	
Τ _J	Operating Junction Temperature	-50 to +150			°C		

Thermal Characteristics

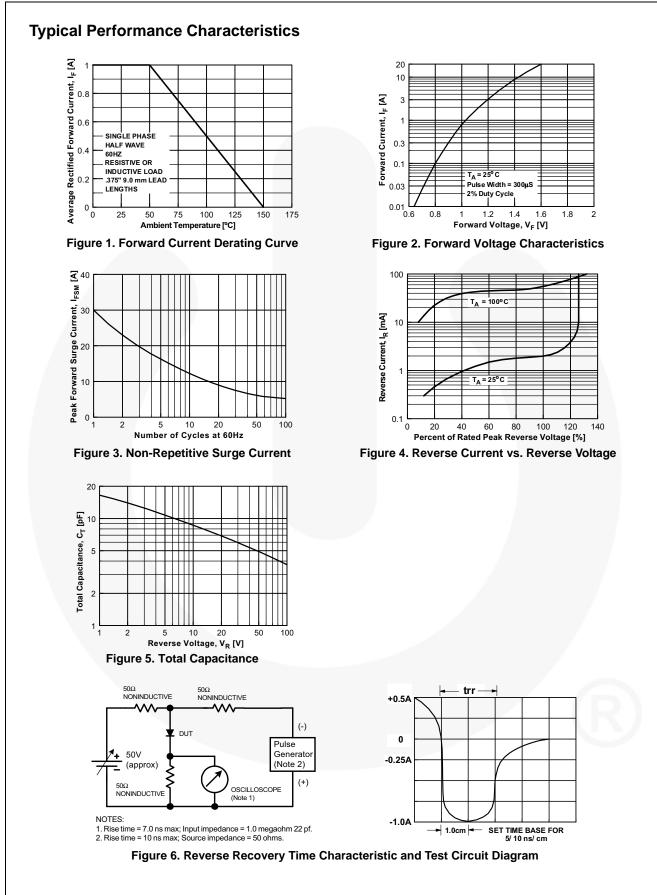
Values are at T_{A} = 25°C unless otherwise noted.

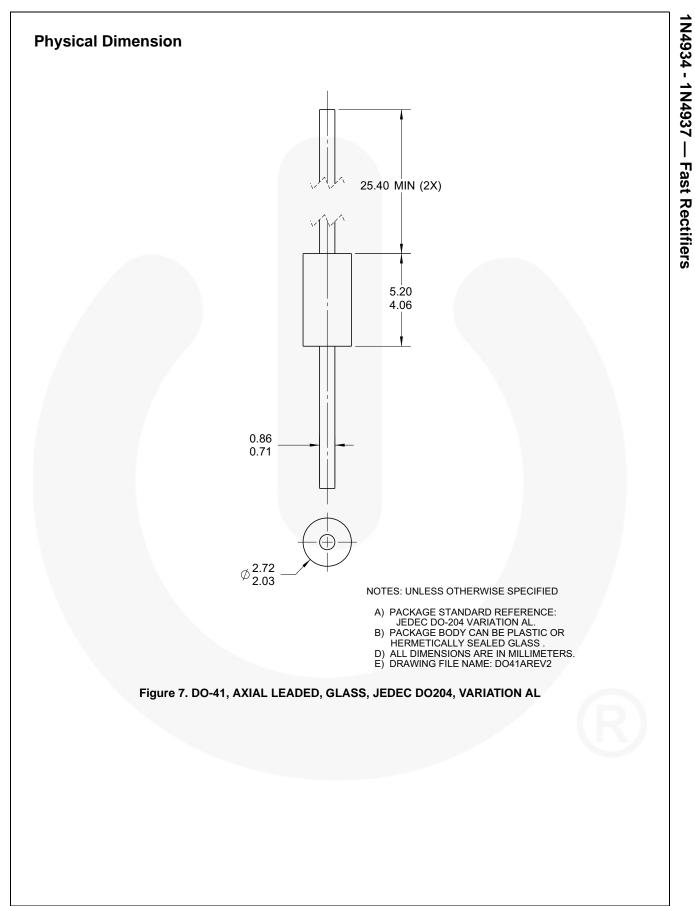
Symbol	Parameter	Value	Unit
PD	Power Dissipation	2.5	W
$R_{ hetaJA}$	Thermal Resistance, Junction-to-Ambient	50	°C/W

Electrical Characteristics

Values are at $T_A = 25^{\circ}C$ unless otherwise noted.

Symbol	Parameter	Conditions	Value				Unit
Symbol			1N4934	1N4935	1N4936	1N4937	Unit
V _F	Forward Voltage	I _F = 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		1	50		ns
I _R Reverse Current at Rated V _R		$T_A = 25^{\circ}C$		5	.0		μA
		T _A = 125°C	100			μΛ	
CT	C_T Total Capacitance $V_R = 4.0 V, f = 1.0 MHz$		z 12				pF





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