



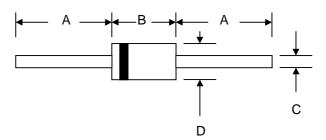
1.0A FAST RECOVERY DIODE

Features

- Diffused Junction
- Low Forward Voltage Drop
- High Current Capability
- High Reliability
- High Surge Current Capability

Mechanical Data

- Case: DO-41, Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: Cathode Band
- Weight: 0.34 grams (approx.)
- Mounting Position: Any
- Marking: Type Number
- Lead Free: For RoHS / Lead Free Version, Add "-LF" Suffix to Part Number, See Page 4



DO-41				
Dim	Min	Max		
Α	25.4	_		
В	4.06	5.21		
С	0.71	0.864		
D	2.00	2.72		
All Dimensions in mm				

Maximum Ratings and Electrical Characteristics @T_A=25°C unless otherwise specified

Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	1N4933	1N4934	1N4935	1N4936	1N4937	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	Vrrm Vrwm Vr	50	100	200	400	600	v
RMS Reverse Voltage	VR(RMS)	35	70	140	280	420	V
Average Rectified Output Current (Note 1) $@T_A = 55^{\circ}C$	lo	1.0				A	
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	30			A		
Forward Voltage @I _F = 1.0A	VFM	1.2				V	
Peak Reverse Current $@T_A = 25^{\circ}C$ At Rated DC Blocking Voltage $@T_A = 100^{\circ}C$	Iгм	5.0 100				μA	
Reverse Recovery Time (Note 2)	trr	200				nS	
Typical Junction Capacitance (Note 3)	Cj	15			pF		
Operating Temperature Range	Tj	-65 to +125			°C		
Storage Temperature Range	Тѕтс	-65 to +150				°C	

Note: 1. Leads maintained at ambient temperature at a distance of 9.5mm from the case

2. Measured with IF = 0.5A, IR = 1.0A, IRR = 0.25A. See figure 5.

3. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

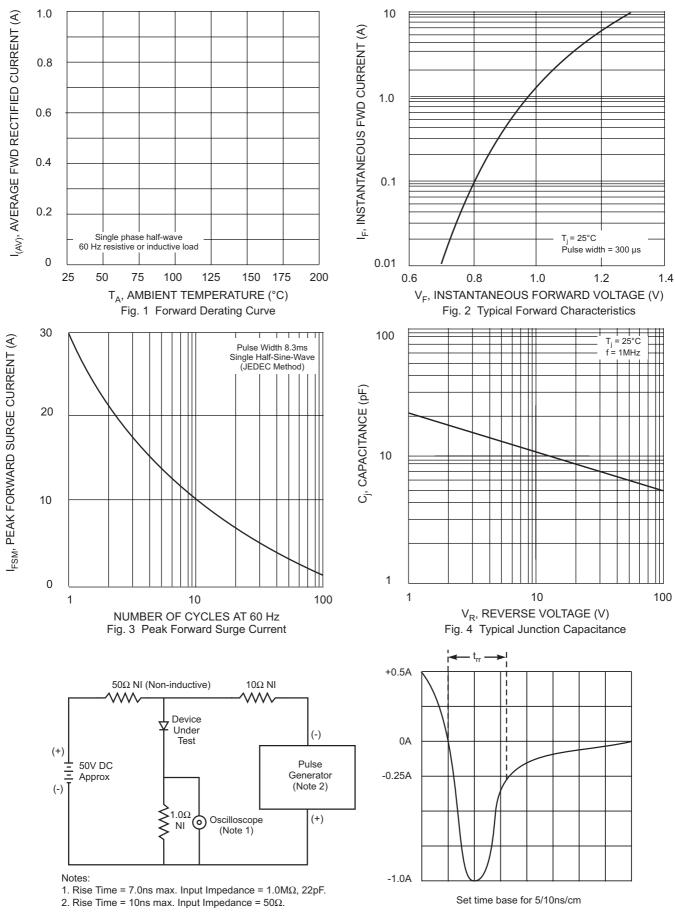
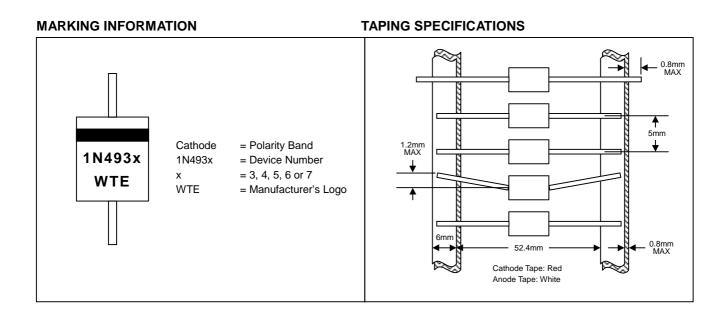
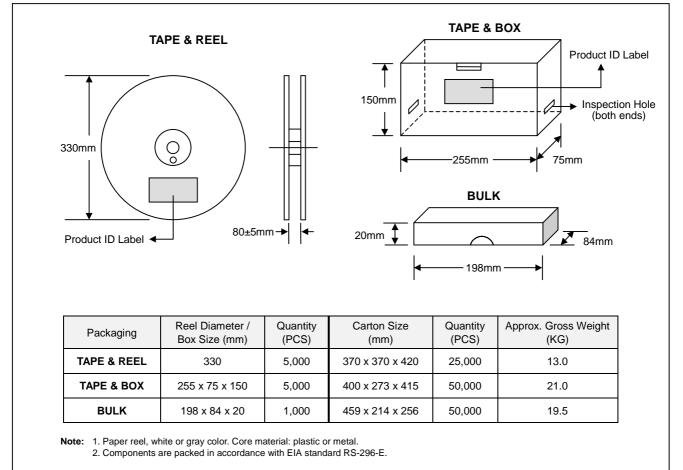


Fig. 5 Reverse Recovery Time Characteristic and Test Circuit



PACKAGING INFORMATION



Product No.	Package Type	Shipping Quantity		
1N4933-T3	DO-41	5000/Tape & Reel		
1N4933-TB	DO-41	5000/Tape & Box		
1N4933	DO-41	1000 Units/Box		
1N4934-T3	DO-41	5000/Tape & Reel		
1N4934-TB	DO-41	5000/Tape & Box		
1N4934	DO-41	1000 Units/Box		
1N4935-T3	DO-41	5000/Tape & Reel		
1N4935-TB	DO-41	5000/Tape & Box		
1N4935	DO-41	1000 Units/Box		
1N4936-T3	DO-41	5000/Tape & Reel		
1N4936-TB	DO-41	5000/Tape & Box		
1N4936	DO-41	1000 Units/Box		
1N4937-T3	DO-41	5000/Tape & Reel		
1N4937-TB	DO-41	5000/Tape & Box		
1N4937	DO-41	1000 Units/Box		

ORDERING INFORMATION

1. Products listed in **bold** are WTE Preferred devices.

2. Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department. To order RoHS / Lead Free version (with Lead Free finish), add "-LF" suffix

3. to part number above. For example, 1N4933-TB-LF.

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WARNING: DO NOT USE IN LIFE SUPPORT EQUIPMENT. WTE power semiconductor products are not authorized for use as critical components in life support devices or systems without the express written approval.

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