

1N5391 – 1N5399 🏠 🕅

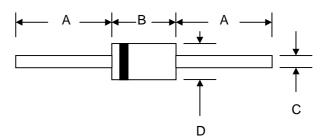
1.5A STANDARD DIODE

Features

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

Mechanical Data

- Case: DO-15, Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: Cathode Band
- Weight: 0.40 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-15					
Dim	Min	Max			
Α	25.4	_			
В	5.50	7.62			
С	0.71	0.864			
D	2.60	3.60			
All Dimensions in mm					

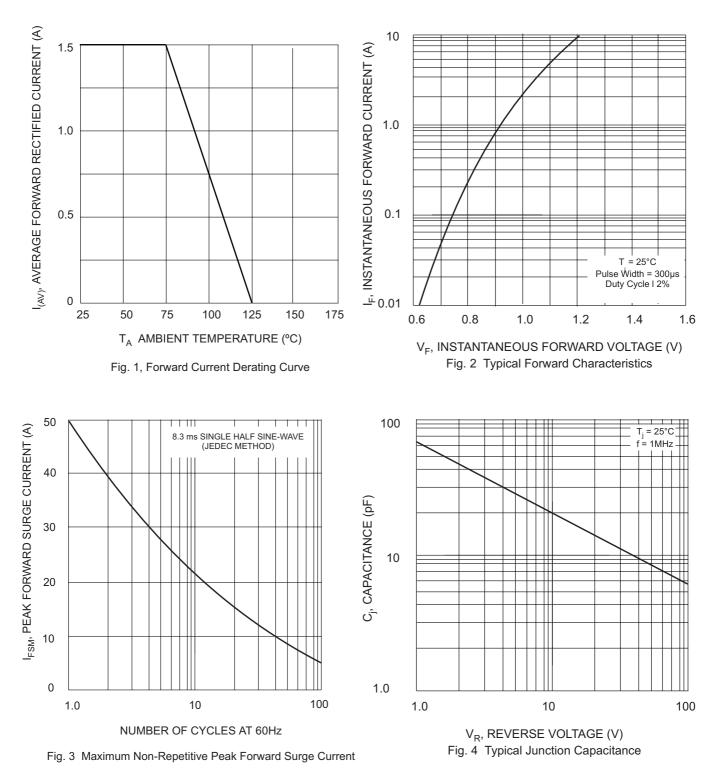
Maximum Ratings and Electrical Characteristics @T_A=25°C unless otherwise specified

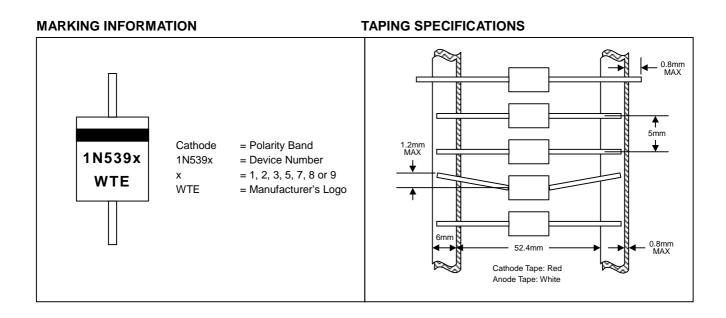
Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	1N 5391	1N 5392	1N 5393	1N 5395	1N 5397	1N 5398	1N 5399	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	Vrrm Vrwm Vr	50	100	200	400	600	800	1000	V
RMS Reverse Voltage	VR(RMS)	35	70	140	280	420	560	700	V
Average Rectified Output Current (Note 1) $@T_A = 75^{\circ}C$	lo				1.5				А
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	50				A			
Forward Voltage $@I_F = 1.5A$	Vfm	1.0				V			
Peak Reverse Current $@T_A = 25^{\circ}C$ At Rated DC Blocking Voltage $@T_A = 100^{\circ}C$	Iгм	5.0 50				μA			
Typical Junction Capacitance (Note 2)	Cj	30			pF				
Typical Thermal Resistance Junction to Ambient (Note 1)	RθJA				45				°C/W
Operating Temperature Range	Tj			-	65 to +12	5			°C
Storage Temperature Range	Тѕтс	-65 to +150			°C				

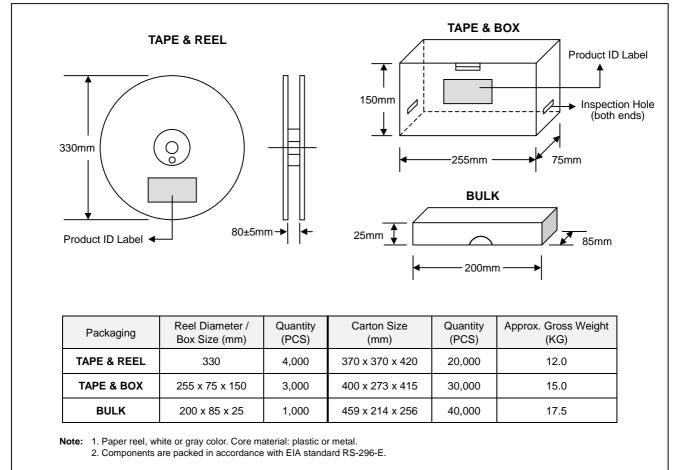
Note: 1. Leads maintained at ambient temperature at a distance of 9.5mm from the case

2. Measured at 1.0 MHz and Applied Reverse Voltage of 4.0V D.C.





PACKAGING INFORMATION



Product No.	Package Type	Shipping Quantity		
1N5391-T3	DO-15	4000/Tape & Reel		
1N5391-TB	DO-15	3000/Tape & Box		
1N5391	DO-15	1000 Units/Box		
1N5392-T3	DO-15	4000/Tape & Reel		
1N5392-TB	DO-15	3000/Tape & Box		
1N5392	DO-15	1000 Units/Box		
1N5393-T3	DO-15	4000/Tape & Reel		
1N5393-TB	DO-15	3000/Tape & Box		
1N5393	DO-15	1000 Units/Box		
1N5395-T3	DO-15	4000/Tape & Reel		
1N5395-TB	DO-15	3000/Tape & Box		
1N5395	DO-15	1000 Units/Box		
1N5397-T3	DO-15	4000/Tape & Reel		
1N5397-TB	DO-15	3000/Tape & Box		
1N5397	DO-15	1000 Units/Box		
1N5398-T3	DO-15	4000/Tape & Reel		
1N5398-TB	DO-15	3000/Tape & Box		
1N5398	DO-15	1000 Units/Box		
1N5399-T3	DO-15	4000/Tape & Reel		
1N5399-TB	DO-15	3000/Tape & Box		
1N5399	DO-15	1000 Units/Box		

ORDERING INFORMATION

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

 Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.

3. To order RoHS / Lead Free version (with Lead Free finish), add "-LF" suffix to part number above. For example, 1N5391-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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