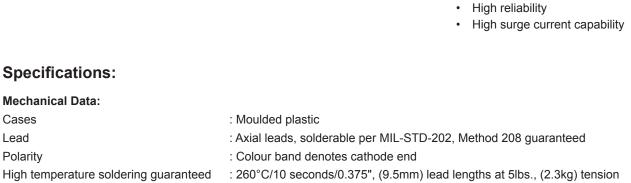
Standard Diode



Maximum Ratings and Electrical Characteristics:

: 0.4g

Rating at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Type Number	Symbol	1N5391	1N5392	1N5393	1N5395	1N5397	1N5398	1N5399	Units
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1,000	
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1,000	
Maximum Average Forward Rectified Current 0.375 (9.5mm) Lead Length at T _A = 75°C	I _(AV)				1.5				А
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}				50				
Maximum Instantaneous Forward Voltage at 1.5A	V _F	1.1 10						V	
Maximum DC Reverse Current at $T_A = 25^{\circ}C$ at Rated DC Blocking Voltage at $T_A = 100^{\circ}C$	I _R	5 50						μΑ μΑ	

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Weight





Features:

- Low forward voltage drop
- High current capability

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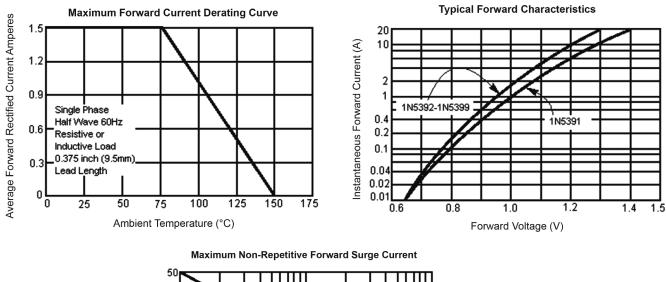
Standard Diode

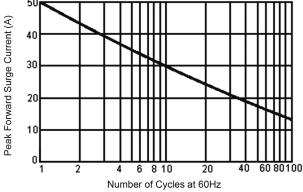


Type Number	Symbol	1N5391	1N5392	1N5393	1N5395	1N5397	1N5398	1N5399	Units
Maximum Full Load Reverse Current, Full Cycle Average 0.375 inch (9.5mm) Lead Length at T _A = 75°C	HT _{IR}	30					μA		
Typical Junction Capacitance (Note 1)	Cj	50				pF			
Typical Thermal Resistance (Note 2)	R _{θJA}	60					°C/W		
Operating Temperature Range	Т _Ј	-65 to +150					°C		
Storage Temperature Range	T _{STG}	-00 10 +150							

Note 1: Measured at 1MHz and Applied Reverse Voltage of 4V DC. **Note 2:** 2. Mount on Cu-Pad Size 10mm × 10mm on PCB.

Ratings and Characteristic Curves (1N5391 thru 1N5399)



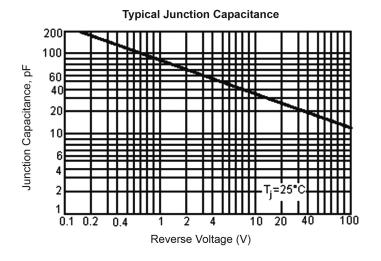


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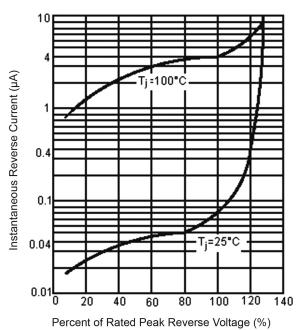


Standard Diode

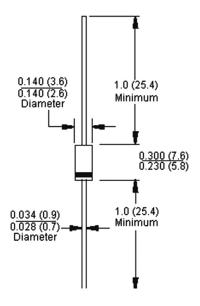




Typical Reverse Characteristics



DO-15



Dimensions : Inches (Millimetres)

Part Number Table

Description	Part Number				
Diode, Standard, 1.5A, 50V	1N5391				
Diode, Standard, 1.5A, 100V	1N5392				
Diode, Standard, 1.5A, 200V	1N5393				
Diode, Standard, 1.5A, 400V	1N5395				
Diode, Standard, 1.5A, 600V	1N5397				
Diode, Standard, 1.5A, 800V	1N5398				
Diode, Standard, 1.5A, 1,000V	1N5399				

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