

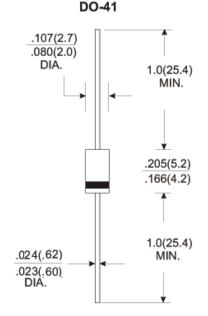
1.5 A Silicon Rectifiers 1N5391 THRU 1N5399 50 to 1000 V 1.5A

FEATURES

- · Low forward voltage drop
- High current capability
- High reliability
- · High surge current capability

MECHANICAL DATA

- · Case: Molded plastic
- Epoxy: UL 94V-O rate flame retardant
- Lead: Axial leads, solderable per MIL-STD-202, Method 208 guaranteed
- · Polarity: Color band denotes cathode end
- High temperature soldering guaranteed: 250°C/10 seconds/.375",(9.5mm) lead lengths at 5 lbs., (2.3kg)tension
- Weight: 0.4 gram



Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics

Ratings 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	Symbols	1N5391	1N5392	1N5393	1N5394	1N5395	1N5397	1N5398	1N5399	Units
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	300	400	600	800	1000	Volts
Maximum RMS Voltage	V _{RMS}	35	70	140	210	280	420	560	700	Volts
Maximum DC Blocking Voltage	V _{DC}	50	100	200	300	400	600	800	1000	Volts
Maximum Average Forward Rectified Current .375" (9.5mm) Lead Length @ T =75°C	I _(AV)	1.5								Amp
Peak Forward Surge Current, 8.3ms single half-sine-wave superimposed on rated load (JEDEC method)	IFSM	50								Amp
Maximum instantaneous Forward Voltage @ 1.5A	V _F	1.1								Volts
$\begin{tabular}{lll} Maximum Reverse Current & T_A=$25°C \\ at Rated DC Blocking Voltage & T_A=$100°C \\ \end{tabular}$	I _R	5.0 50								uАmp
Typical Junction Capacitance (Note 1)	CJ	15								pF
Typical Thermal Resistance (Note 2)	R _θ JA	50								°C/W
Operating Temperature Range	TJ	-55 to +150								$^{\circ}$ C
Storage Temperature Range	T _{stq}									

NOTES:

- 1. Measured at 1 MHz and Applied Reverse Voltage of 4.0 Volts D.C.
- 2. Thermal Resistance from Junction to Ambient .375"(9.5mm) Lead Length.



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RATINGS AND CHARACTERISTIC URVES (1N5391 THRU 1N5399)

