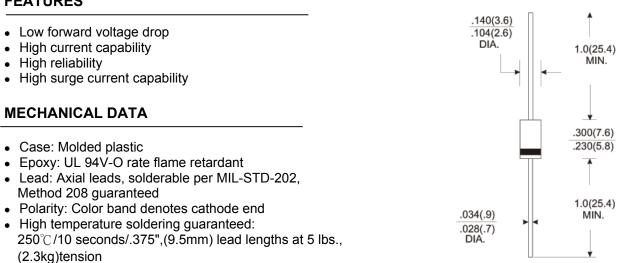


1.5 A Silicon Rectifiers 1N5391 THRU 1N5399 50 to 1000 V 1.5A

FEATURES



• Weight: 0.4 gram

Dimensions in inches and (millimeters)

DO-15

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	VRRM	50	100	200	300	400	600	800	1000	Volts
Maximum RMS Voltage	VRMS	35	70	140	210	280	420	560	700	Volts
Maximum DC Blocking Voltage	VDC	50	100	200	300	400	600	800	1000	Volts
Maximum Average Forward Rectified Current .375" (9.5mm) Lead Length @ T =75°C	l(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	VF	1.1								Volts
$\begin{array}{ll} \mbox{Maximum Reverse Current} & T_A=25^\circ\mbox{C} \\ \mbox{at Rated DC Blocking Voltage} & T_A=100^\circ\mbox{C} \end{array}$	IR	5.0 50								uAmp
Typical Junction Capacitance (Note 1)	CJ	15								pF
Typical Thermal Resistance (Note 2)	RθJA	65								°C/W
Operating Temperature Range	TJ	-55 to +150								°C
Storage Temperature Range	Tstg									

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.



RATINGS AND CHARACTERISTIC URVES (1N5391 THRU 1N5399)

