

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

TYPE NUMBER	1N5391	1N5392	1N5393	1N5395	1N5397	1N5398	1N5399	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current		•			•		•	
.375"(9.5mm) Lead Length at Ta=50°C	1.5							A
Peak Forward Surge Current, 8.3 ms single half sine-wave								
superimposed on rated load (JEDEC method)	50						Α	
Maximum Instantaneous Forward Voltage at 1.5A	1.0					V		
Maximum DC Reverse Current Ta=25°C	5.0						mA	
at Rated DC Blocking Voltage Ta=100℃	50							mA
Typical Junction Capacitance (Note 1)	20						pF	
Typical Thermal Resistance RqJA (Note 2)	50					°C/W		
Operating and Storage Temperature Range TJ, Tstg	-65-+175						°C	

NOTES:

1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

2. Thermal Resistance from Junction to Ambient .375" (9.5mm) lead length.

