

General Purpose Rectifiers

Absolute Maximum Ratings*

T_A = 25°C unless otherwise noted

Symbol	Parameter		Value								
		5391	5392	5393	5394	5395	5396	5397	5398	5399	
V _{RRM}	Peak Repetitive Reverse Voltage	50	100	200	300	400	500	600	800	1000	V
I _{F(AV)}	Average Rectified Forward Current, .375 " lead length @ T _A = 75°C	1.5						А			
I _{FSM}	Non-repetitive Peak Forward Surge Current 8.3 ms Single Half-Sine-Wave	50							А		
T _{stg}	Storage Temperature Range	-55 to +150						°C			
TJ	Operating Junction Temperature	-55 to +150					°C				

*These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

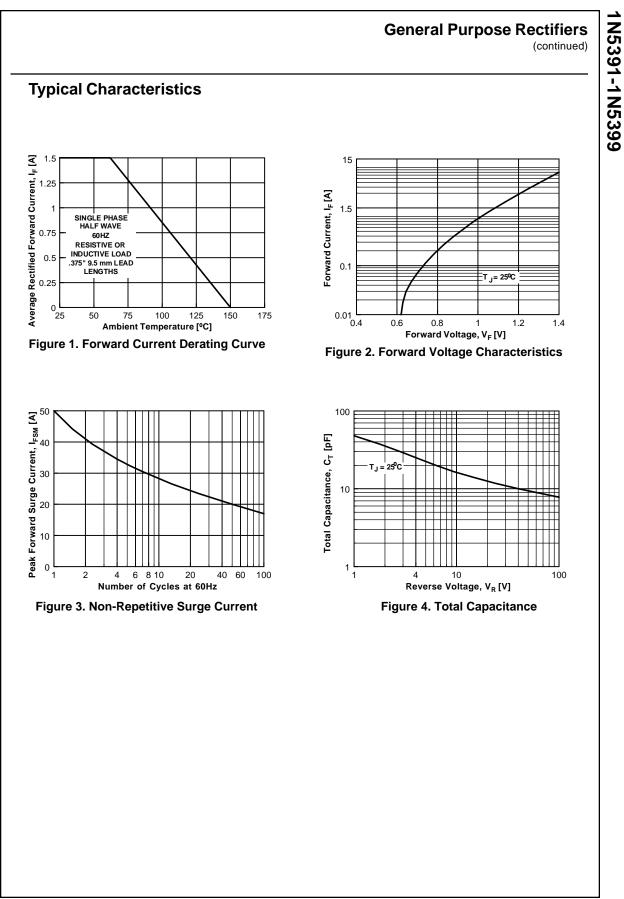
Thermal Characteristics

Symbol	Parameter	Value	Units	
P _D	Power Dissipation	4.8	W	
$R_{ ext{ hetaJA}}$	Thermal Resistance, Junction to Ambient	26	°C/W	

Electrical Characteristics T_A = 25°C unless otherwise noted

Symbol	Parameter	Device									Units
		5391	5392	5393	5394	5395	5396	5397	5398	5399	1
V _F	Forward Voltage @ 1.5 A	1.4						V			
I _R	Reverse Current @ rated $V_R T_A = 25^{\circ}C$ $T_A = 100^{\circ}C$	5.0 300						μΑ μΑ			
C _T	Total Capacitance V _R = 4.0 V, f = 1.0 MHz	25					pF				

1N5391-1N5399



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