



ELECTRONICS, INC.
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NTE156A Silicon General Purpose Rectifier

Features:

- Low Cost
- High Current Capability
- Low Leakage
- Low Forward Voltage
- High Surge Capability

Maximum Ratings and Electrical Characteristics: (Note 1)

Peak Reverse Voltage, V_{RRM}	1000V
Maximum RMS Voltage, $V_{R(RMS)}$	700V
Maximum DC Blocking Voltage, V_R	1000V
Maximum Average Forward Rectified Current, I_O	3A
Peak Forward Surge Current (8.3ms superimposed), I_{FSM}	200A
Maximum Forward Voltage ($I_O = 3A$), V_F	1.2V
Maximum DC Reverse Current ($V_R = 1000V$), I_R	5 μ A
Typical Junction Capacitance ($V_R = 4V$), C_j	70pF
Operating Temperature Range, T_{opr}	-65° to +175°C
Storage Temperature Range, T_{stg}	-65° to +175°C

Note 1. 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%.

