



ELECTRONICS, INC.  
 44 FARRAND STREET  
 BLOOMFIELD, NJ 07003  
 (973) 748-5089  
<http://www.nteinc.com>

## 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 $\mu$ 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%.

