

## 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 ( $V_R = 4V$ ), $C_I$ .....         | 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%.

