



ELECTRONICS, INC.  
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## NTE577 Silicon Diode General Purpose, Fast Recovery Switch

### Electrical Characteristics:

Maximum Peak Reverse Voltage, $P_{RV}$ .....	1000V
Maximum Average Rectified Current ( $T_A = +50^\circ$ , half-wave, resistive load 60Hz), $I_O$ .....	5A
Maximum Forward Peak Surge Current (8.3ms superimposed), $I_{FSM}$ .....	200A
Maximum Reverse Current ( $T_A = +25^\circ\text{C}$ , $P_{RV} = 1000\text{V}$ ), $I_R$ .....	10 $\mu\text{A}$
Maximum Forward Voltage ( $T_A = +25^\circ\text{C}$ , $I_F = 5\text{A}$ ), $V_{FM}$ .....	1.7V
Maximum Reverse Recovery Time, $t_{rr}$ .....	70ns
Operating Temperature Range, $T_{opr}$ .....	-65° to +150°C
Storage Temperature Range, $T_{stg}$ .....	-65° to +150°C

