

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 μA
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 $+150^\circ\text{C}$
Storage Temperature Range, T_{stg}	-65° to $+150^\circ\text{C}$

