

**NTE6200 thru NTE6210  
 Positive Center Tapped Silicon Rectifiers  
 30 Amp(15A per diode)**

**Features:**

- Available in Standard (NTE6200 & NTE6202) and Fast (NTE6206 thru NTE6210) Recovery
- 250 Amps Peak One Half Cycle Surge Current
- Fast Recovery Types:  $t_{rr} = 200\text{ns Max}$
- TO3 Type Package

**Absolute Maximum Ratings:** ( $T_A = +25^\circ\text{C}$  unless otherwise specified)

DC Blocking Voltage, $V_{RM}$	
Working Peak Reverse Voltage, $V_{DRM}$	
Peak Repetitive Reverse Voltage, $V_{RRM}$	
NTE6200, NTE6206 .....	200V
NTE6202, NTE6208 .....	400V
NTE6210 .....	600V
RMS Reverse Voltage, $V_{R(RMS)}$	
NTE6200, NTE6206 .....	140V
NTE6202, NTE6208 .....	280V
NTE6210 .....	420V
Peak Surge Current (Per Diode, 1/2 Cycle at 60Hz, (Non-Repetitive), $T_C = +100^\circ\text{C}$ ), $I_{FSM}$ ..	150A
Peak Surge Current (Per Diode, 1 sec at 60Hz, $T_C = +100^\circ\text{C}$ ), $I_{FRM}$ .....	50A
Average Forward Current (Per Diode, $T_C = +100^\circ\text{C}$ ), $I_O$ .....	15A
Fusing Data, $I^2T$ .....	85A <sup>2</sup> sec
Operating Junction Temperature Range, $T_j$ .....	-65° to +150°C
Storage Temperature Range, $T_{stg}$ .....	-65° to +150°C
Maximum Thermal Resistance, Junction-to-Case, $R_{thJC}$ .....	1.5°C/W

**Electrical Characteristics:** ( $T_A = +25^\circ\text{C}$  unless otherwise specified)

Maximum Instantaneous Forward Voltage Drop (Per Diode @ 15A), $V_{FM}$ .....	1.4V
Maximum Reverse Current (At Rated $V_{RM}$ , $T_C = +100^\circ\text{C}$ ), $I_{RM}$ .....	5mA
Maximum Reverse Recovery Time ( $I_F = 1A$ , $I_A = 2A$ ), $t_{rr}$ .....	200ns

