



ELECTRONICS, INC.

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## 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:  $t_{rr} = 200ns$  Max
- TO3 Type Package

### Absolute Maximum Ratings: ( $T_A = +25^\circ C$ 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),  $T_C = +100^\circ C$ ),  $I_{FSM}$  .. 150A

Peak Surge Current (Per Diode, 1 sec at 60Hz,  $T_C = +100^\circ C$ ),  $I_{FRM}$  .. 50A

Average Forward Current (Per Diode,  $T_C = +100^\circ C$ ),  $I_O$  .. 15A

Fusing Data,  $I^2T$  .. 85A<sup>2</sup>sec

Operating Junction Temperature Range,  $T_j$  ..  $-65^\circ$  to  $+150^\circ C$

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

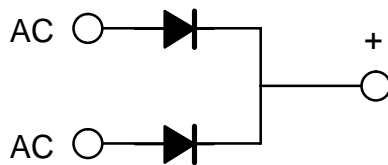
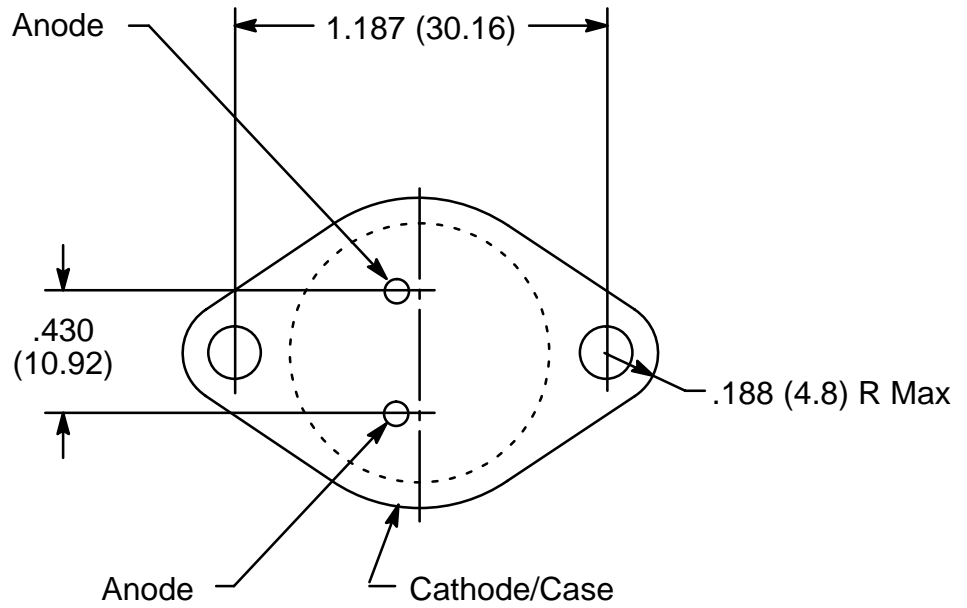
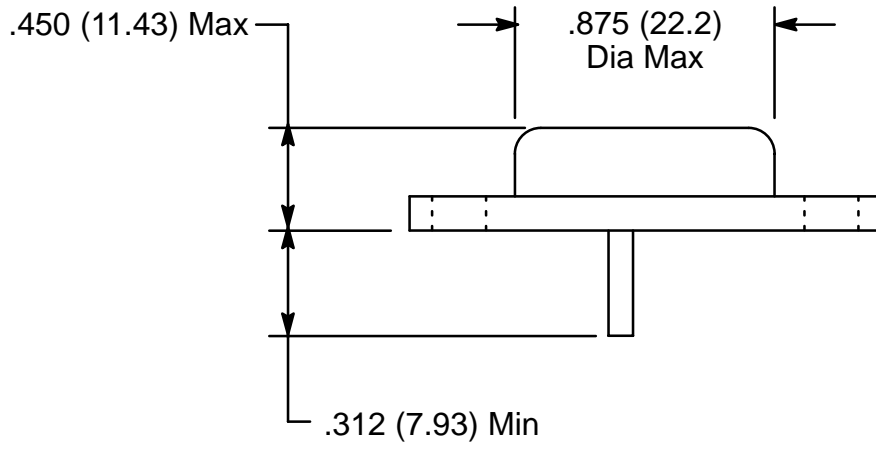
Maximum Thermal Resistance, Junction-to-Case,  $R_{thJC}$  .. 1.5 $^\circ C/W$

### Electrical Characteristics: ( $T_A = +25^\circ C$ unless otherwise specified)

Maximum Instantaneous Forward Voltage Drop (Per Diode @ 15A),  $V_{FM}$  .. 1.4V

Maximum Reverse Current (At Rated  $V_{RM}$ ,  $T_C = +100^\circ C$ ),  $I_{RM}$  .. 5mA

Maximum Reverse Recovery Time ( $I_F = 1A$ ,  $I_A = 2A$ ),  $t_{rr}$  .. 200ns



Common Cathode