



ELECTRONICS, INC.  
 44 FARRAND STREET  
 BLOOMFIELD, NJ 07003  
 (973) 748-5089  
<http://www.nteinc.com>

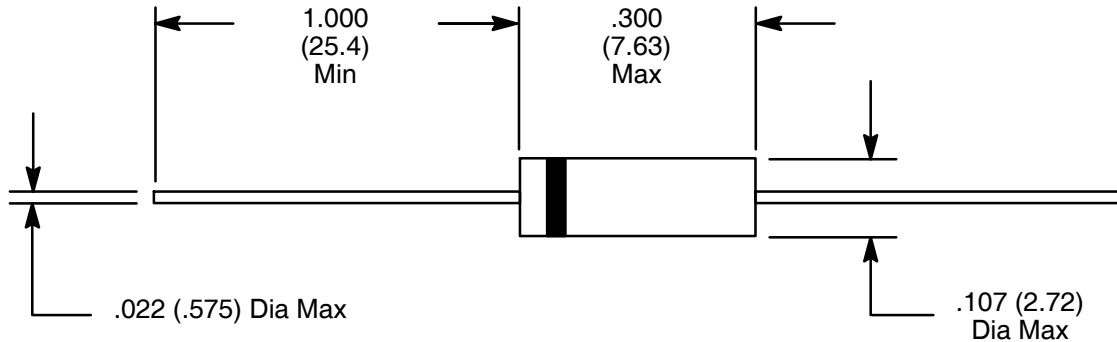
## NTE615 Integrated Circuit Voltage Stabilizer for Electronic Tuner

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

Zener Current,  $I_Z$  ..... 10mA  
 Power Dissipation ( $T_A = +75^\circ\text{C}$ ),  $P_D$  ..... 200mW  
 Operating Ambient Temperature Range,  $T_{opr}$  .....  $-20^\circ$  to  $+75^\circ\text{C}$   
 Storage Temperature range,  $T_{stg}$  .....  $-40^\circ$  to  $+125^\circ\text{C}$

**Electrical Characteristics:** ( $I_Z = 5\text{mA}$ ,  $T_A = +25^\circ\text{C}$  unless otherwise specified)

| Parameter                            | Symbol                | Test Conditions                             | Min  | Typ | Max  | Unit                 |
|--------------------------------------|-----------------------|---|------|-----|------|----------------------|
| Stabilized Voltage                   | $V_Z$                 |   | 30   | -   | 35   | V                    |
| Stabilized Voltage Temperature Drift | $\Delta V_Z/\Delta T$ | $T_A = -20^\circ$ to $+75^\circ\text{C}$    | -1.0 | 0   | +1.0 | mV/ $^\circ\text{C}$ |
| Dynamic Resistance                   | $r_z$                 | $I_{AC} = 0.5\text{mA}$ , $f = 1\text{kHz}$ | -    | 10  | 25   | $\Omega$             |



Color Band Denotes Cathode