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## NTE3113 & NTE3114 Bar Graph Display

**Features:**

- Colors:  
     NTE3113 (Red)  
     NTE3114 (Green)

**Absolute Maximum Ratings:**

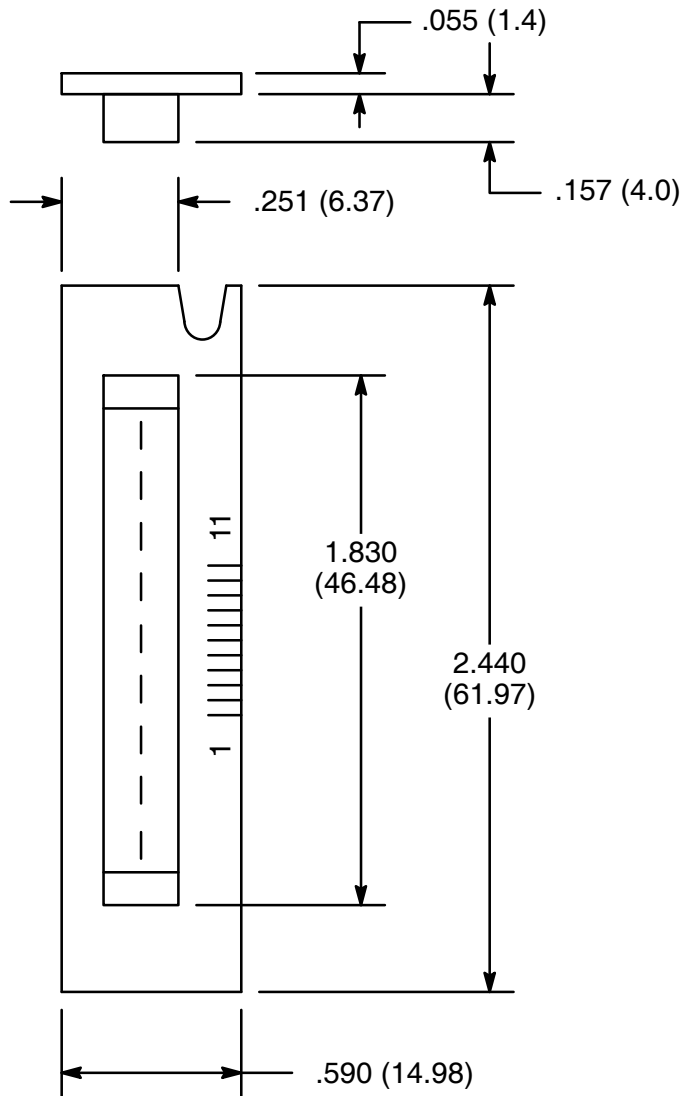
Power Dissipation ( $T_A = +25^\circ\text{C}$ ) ..... 0.3W  
 Continuous Forward Current (Per Segment),  $I_F$   
     NTE3113 ..... 15mA  
     NTE3114 ..... 20mA  
 Reverse Voltage (Per Segment),  $V_R$  ..... 3V  
 Operating Temperature Range,  $T_{opr}$  .....  $-20^\circ$  to  $+60^\circ\text{C}$   
 Storage Temperature Range,  $T_{stg}$  .....  $-20^\circ$  to  $+60^\circ\text{C}$

**Recommended Operating Conditions:**

Continuous Forward Current (Per Segment),  $I_F$   
     NTE3113 ..... 3mA to 10mA  
     NTE3114 ..... 10mA to 15mA

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

| Parameter                             | Symbol | Test Conditions   | Min | Typ  | Max | Unit           |
|---------------------------------------|--------|-------------------|-----|------|-----|----------------|
| Peak Wave Length<br>NTE3113           |        |                   | -   | 700  | -   | nm             |
| NTE3114                               |        |                   | -   | 565  | -   | nm             |
| Forward Voltage<br>NTE3113            | $V_F$  |                   | -   | 1.9  | -   | V              |
| NTE3114                               |        |                   | -   | 2.05 | -   | V              |
| Continuous Forward Current<br>NTE3113 | $I_F$  |                   | -   | 5    | -   | mA             |
| NTE3114                               |        |                   | -   | 15   | -   | mA             |
| Luminous Intensity<br>NTE3113         | L      |                   | -   | 150  | -   | $\mu\text{cd}$ |
| NTE3114                               |        |                   | -   | 300  | -   | $\mu\text{cd}$ |
| Reverse Current                       | $I_R$  | $V_R = 3\text{V}$ | -   | -    | 10  | $\mu\text{A}$  |



**Pin Output**

- 1 Common Anode
- 2 D1 Cathode
- 3 D2 Cathode
- 4 D3 Cathode
- 5 D4 Cathode
- 6 D5 Cathode
- 7 D6 Cathode
- 8 D7 Cathode
- 9 D8 Cathode
- 10 D9 Cathode
- 11 Common Anode