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NTE30108 LED – Dual Color 5mm Super Red/Yellow Green

Features:

- RoHS Compliant
- White Diffused

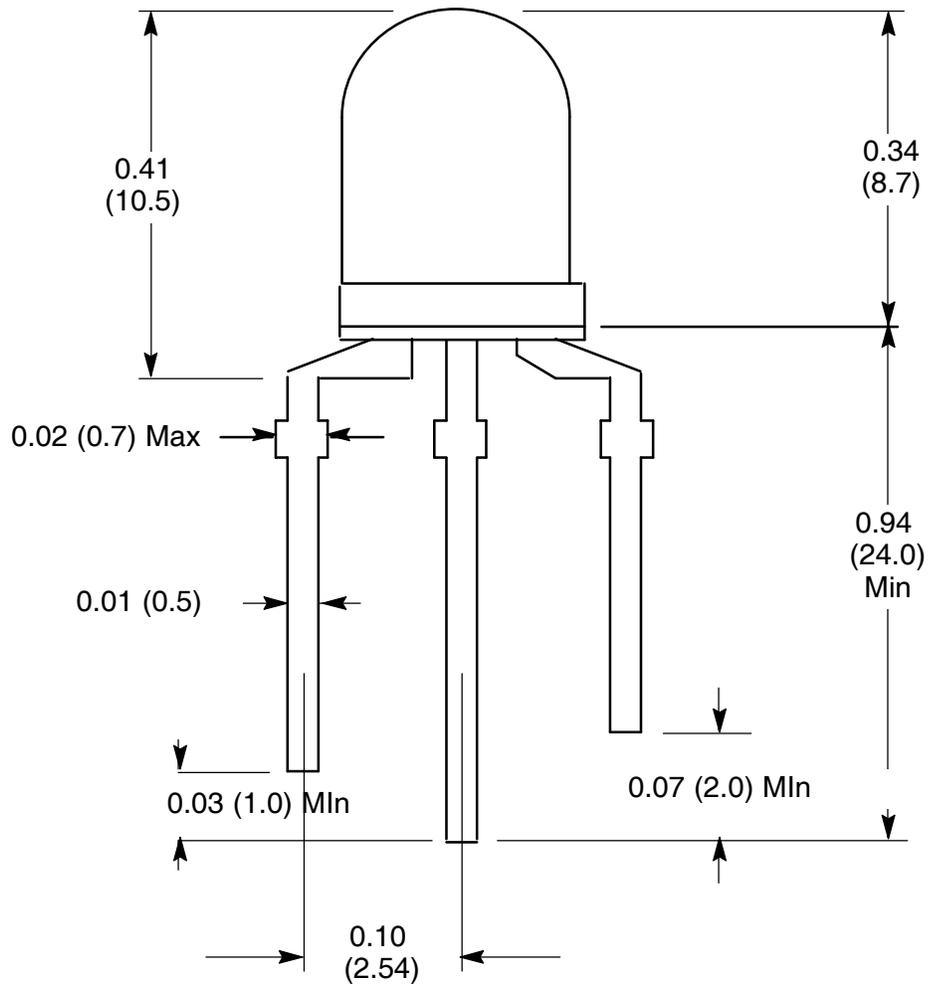
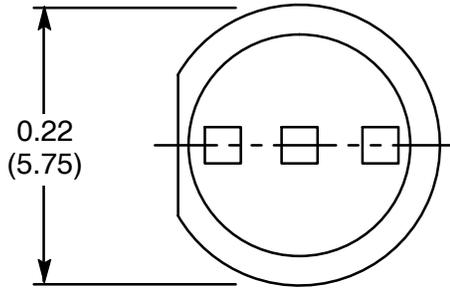
Absolute Maximum Ratings: ($T_A = +25^\circ\text{C}$ unless otherwise specified)

| | | |
|--|-----------------|--|
| Power Dissipation, P_d | | |
| Super Red | 110mW | |
| Yellow Green | 84mW | |
| Continuous Forward Current, I_F | | |
| Super Red | 30mA | |
| Yellow Green | 25mA | |
| Peak Forward Current (1/10 Duty Ratio, 0.1ms Pulse Width), I_{FM} | 50mA | |
| Reverse Voltage, V_R | 5V | |
| LED Junction Temperature, T_j | +100°C | |
| Operating Temperature Range, T_{opr} | -25°C to +80°C | |
| Storage Temperature Range, T_{stg} | -40°C to +100°C | |
| DIP Soldering Temperature (During Soldering, 3mm from body, 5sec max), T_L | +260°C | |

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

| Parameter | Symbol | Test Conditions | Min | Typ | Max | Unit |
|-------------------------------|-------------------------|---------------------|-----|------|------|------|
| View Angle of Half Power | $2\theta_{1/2}$ | $I_F = 20\text{mA}$ | - | 40 | - | deg |
| Forward Voltage | VF | $I_F = 20\text{mA}$ | - | 1.80 | 2.40 | V |
| Super Red | | | | 2.15 | 2.80 | V |
| Luminous Intensity (Note 1) | IV | $I_F = 20\text{mA}$ | 50 | 100 | - | mcd |
| Super Red | | | | 20 | 40 | - |
| Peak Emission Wavelength | λ_p | $I_F = 20\text{mA}$ | - | 660 | - | nm |
| Super Red | | | | 570 | - | nm |
| Dominant Wave Length (Note 2) | $\lambda_d(\text{HUE})$ | $I_F = 20\text{mA}$ | - | 643 | - | nm |
| Super Red | | | | 567 | - | nm |
| Yellow Green | | | | | | |

Note 1. Luminous intensity is measured with an Exeltron 2001, Tolerance = 30%.
 Note 2. The dominant wavelength, λ_d , is derived from the CIE Chromaticity Diagram and represents the color of the device.



- 1. Red -
- 2. Common Lead +
- 3. Green -