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NTE30103 LED – Dual Color 3mm Super Fresh Red/Super Blue

Features:

- Low Power Consumption
- High Efficiency
- General Purpose Leads
- RoHS Compliant
- Water Clear Lens Type
- Common Anode Pin Configuration

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

Power Dissipation, P_d

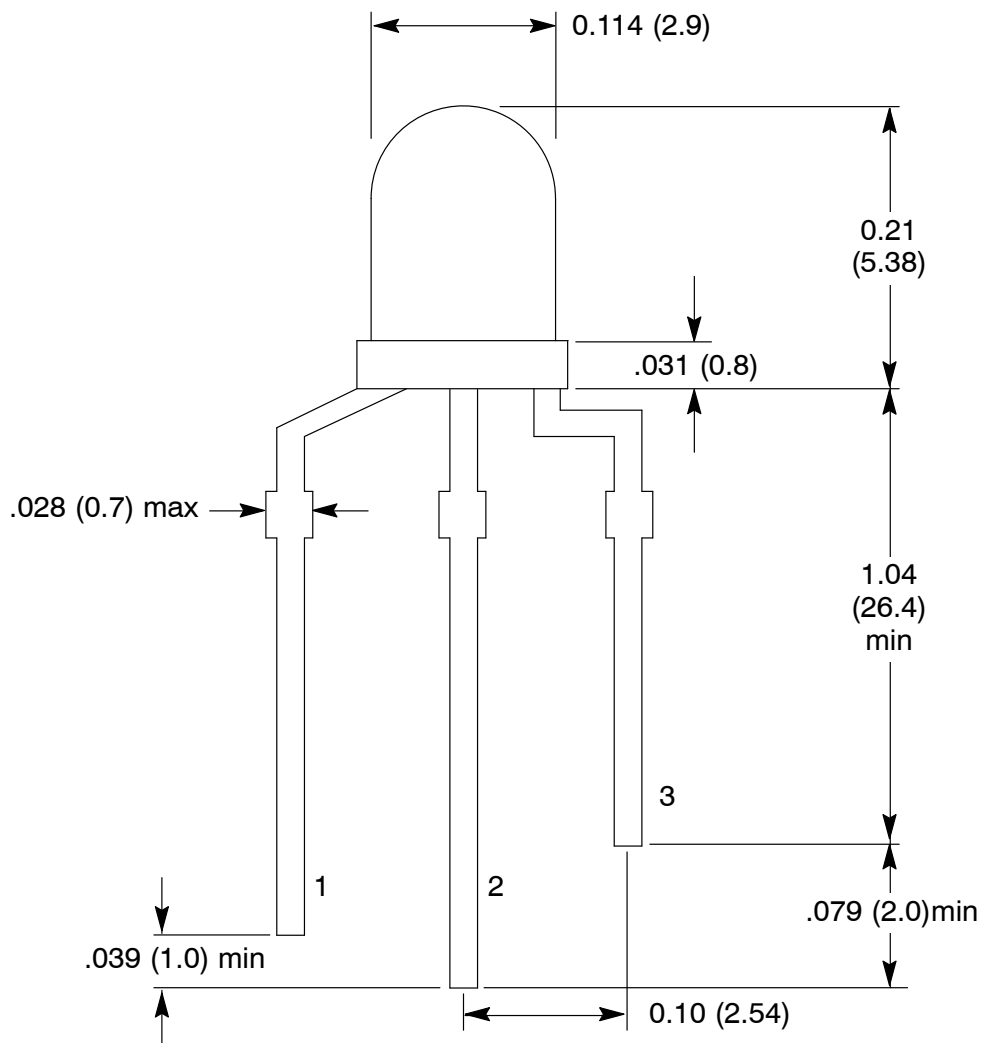
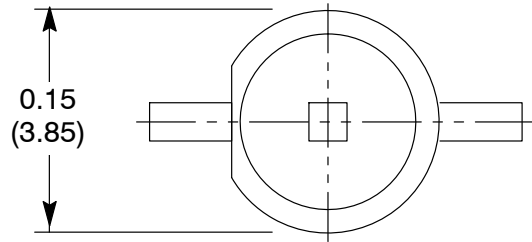
- Red 75mW
- Blue 100mW

- Continuous Forward Current, I_F 30mA
- Peak Forward Current (1/10 Duty Ratio, 0.1ms Pulse Width), I_{FM} 100mA
- Reverse Voltage, V_R 5V
- Derating linear from $+50^\circ\text{C}$ 0.4mA/ $^\circ\text{C}$
- Operating Temperature Range, T_{opr} -40° to $+85^\circ\text{C}$
- Storage Temperature Range, T_{stg} -40° to $+100^\circ\text{C}$
- Lead Soldering Temperature (.157 (4mm) From Body, 5 sec), T_L $+260^\circ\text{C}$

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Viewing Angle	$2\theta_{1/2}$	$I_F = 20\text{mA}$	-	25	-	deg
Forward Voltage	V_F	$I_F = 20\text{mA}$	1.8	2.0	2.4	V
Blue			2.8	3.0	3.4	V
Reverse Current	I_R	$V_R = 5\text{V}$	-	-	10	μA
Luminous Intensity	I_V	$I_F = 20\text{mA}$	-	4000	-	mcd
Blue			-	3000	-	mcd
Peak Emission Wavelength	λ_p	$I_F = 20\text{mA}$	-	630	-	nm
Blue			-	470	-	nm
Dominant Wavelength	λ_d	$I_F = 20\text{mA}$	618	624	627	nm
Blue			464	468	473	nm
Spectral Line Half-Width	$\Delta\lambda$	$I_F = 20\text{mA}$	-	15	-	nm
Blue			-	30	-	nm





- 1. Blue -
- 2. Common Anode Lead +
- 3. Red -