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NTE30109 LED – Dual Color 3mm Yellow/Yellow Green

Features:

- RoHS Compliant
- White Diffused

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

Power Dissipation, P_d

Yellow 90mW

Yellow Green 84mW

Continuous Forward Current, I_F 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 $+100^\circ\text{C}$

Operating Temperature Range, T_{opr} -25°C to $+80^\circ\text{C}$

Storage Temperature Range, T_{stg} -40°C to $+100^\circ\text{C}$

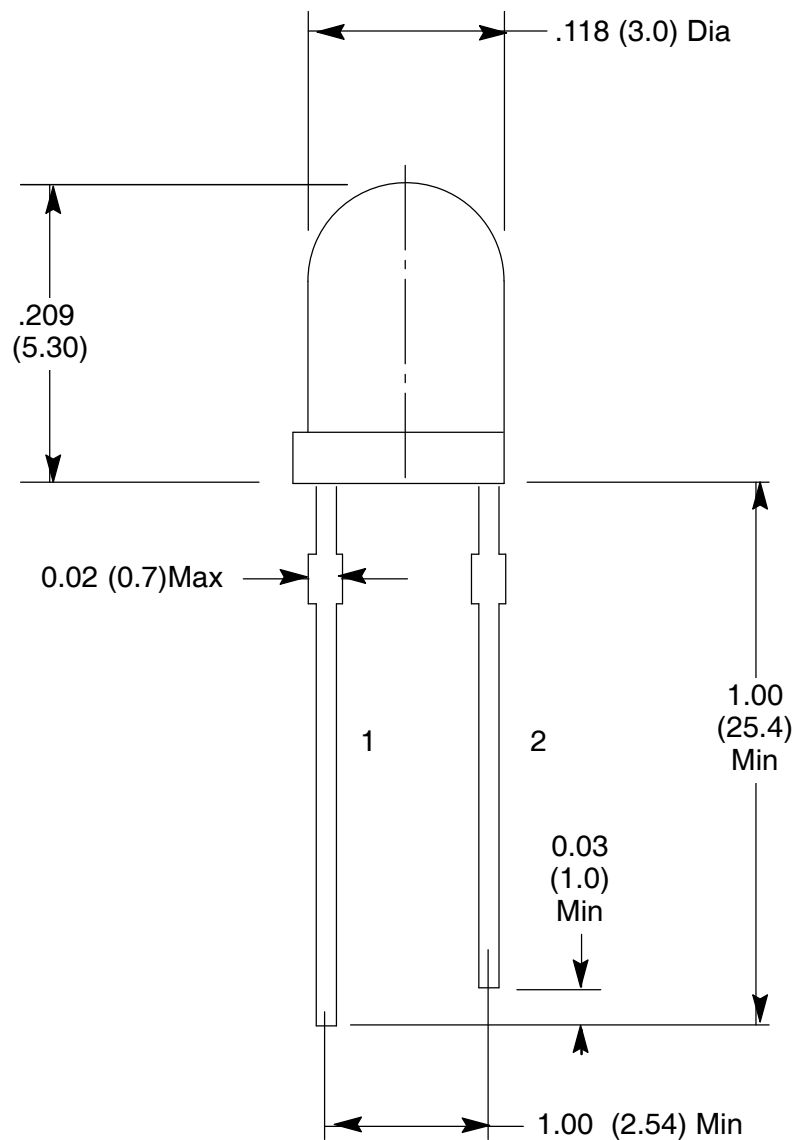
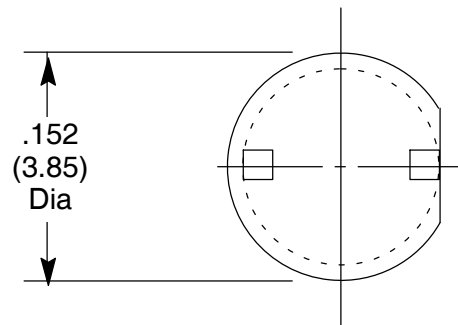
DIP Soldering Temperature (During Soldering, 3mm from body, 5sec max), T_L $+260^\circ\text{C}$

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
View Angle of Half Power	$2\theta_{1/2}$	$I_F = 20\text{mA}$	–	45	–	deg
Forward Voltage	VF	$I_F = 20\text{mA}$	–	2.10	2.80	V
Yellow						
Yellow Green			–	2.15	2.80	V
Luminous Intensity (Note 1)	IV	$I_F = 20\text{mA}$	10	20	–	mcd
Yellow						
Yellow Green			20	30	–	mcd
Peak Emission Wavelength	λ_p	$I_F = 20\text{mA}$	–	589	–	nm
Yellow						
Yellow Green			–	570	–	nm
Dominate Wave Length (Note 2)	$\lambda_d(\text{HUE})$	$I_F = 20\text{mA}$	–	585	–	nm
Yellow						
Yellow Green			–	567	–	nm

Note 1. Luminous intensity is measured with an Exeltron 2001, Tolerance = 30%.

Note 2. The dominate wavelength, λ_d , is derived from the CIE Chromaticity Diagram and represents the color of the device.



- 1. Yellow –
- 2. Green –