



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°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

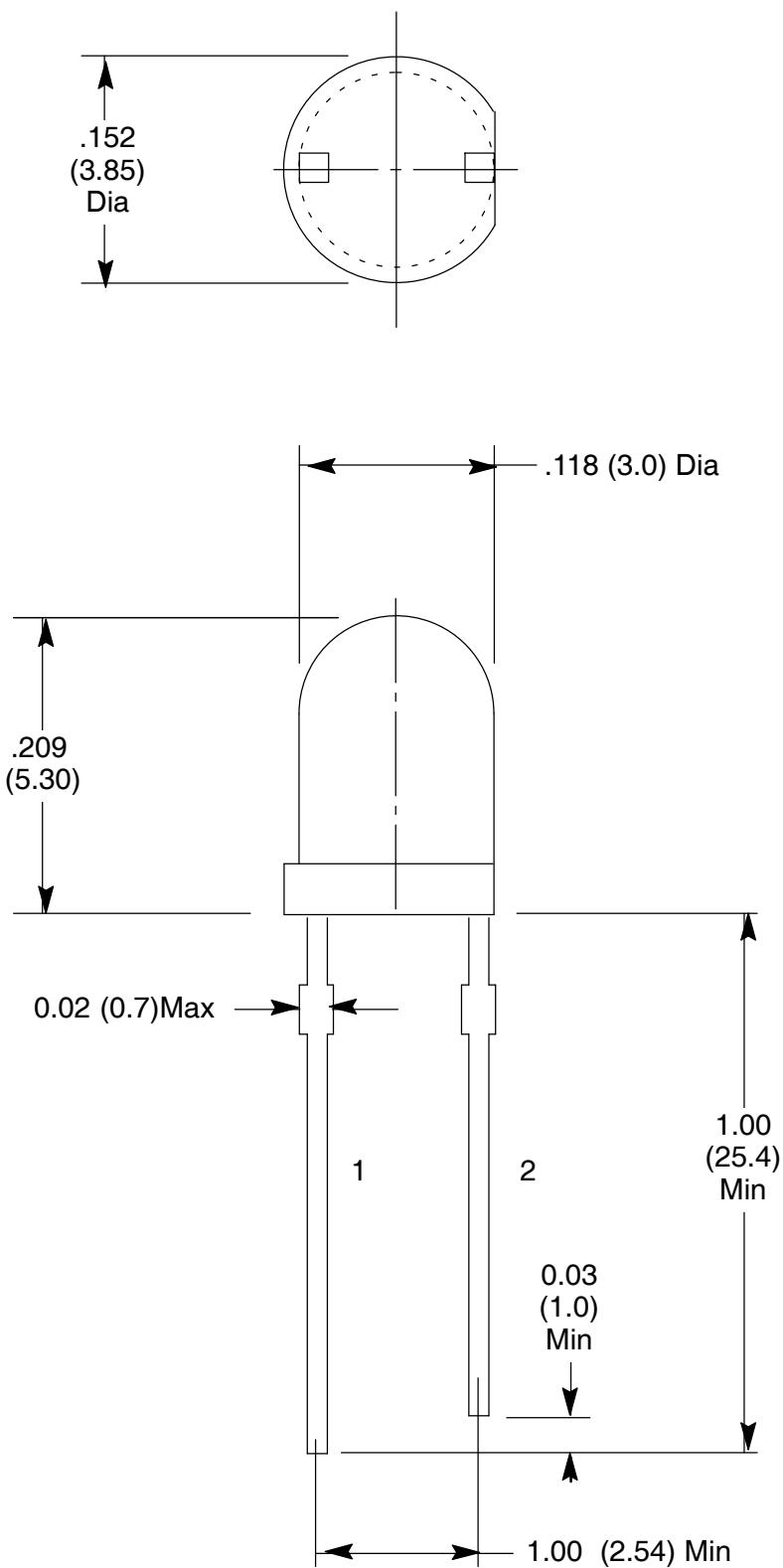
+260°C

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	$2\theta_{1/2}$	$IF = 20\text{mA}$	-	45	-	deg
Forward Voltage Yellow	VF	$IF = 20\text{mA}$	-	2.10	2.80	V
Yellow Green			-	2.15	2.80	V
Luminous Intensity (Note 1) Yellow	IV	$IF = 20\text{mA}$	10	20	-	mcd
Yellow Green			20	30	-	mcd
Peak Emission Wavelength Yellow	λ_p	$IF = 20\text{mA}$	-	589	-	nm
Yellow Green			-	570	-	nm
Dominate Wave Length (Note 2) Yellow	$\lambda_d(\text{HUE})$	$IF = 20\text{mA}$	-	585	-	nm
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 –