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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)

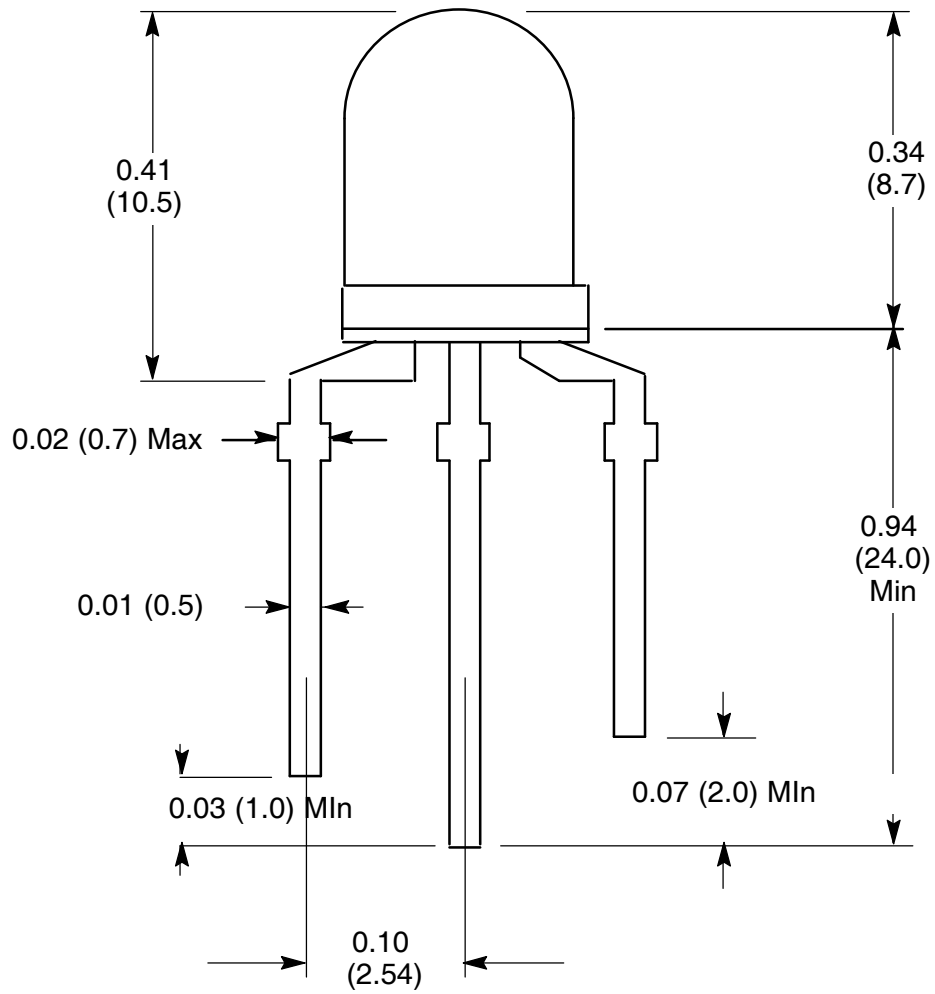
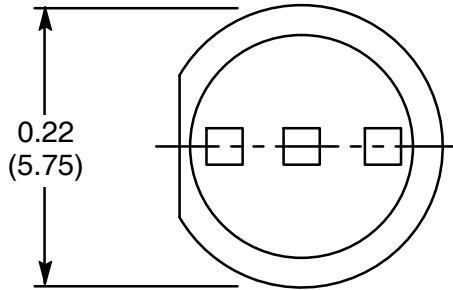
Power Dissipation, P_d		
Super Red	110mW	
Yellow Green	84mW	
Continuous Forward Current, I_F		
Super Red	30mA	
Yellow Green	25mA	
Peak Forward Current (1/10 Duty Ratio, 0.1ms Pulse Width), I_{FM}	50mA	
Reverse Voltage, V_R	5V	
LED Junction Temperature, T_j	+100°C	
Operating Temperature Range, T_{opr}	-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				40	-	mcd
Yellow Green						
Peak Emission Wavelength	λ_p	$I_F = 20\text{mA}$	-	660	-	nm
Super Red				570	-	nm
Yellow Green						
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 -