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

**Features:**

- RoHS Compliant
- White Diffused
- Common Anode Pin Configuration

**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

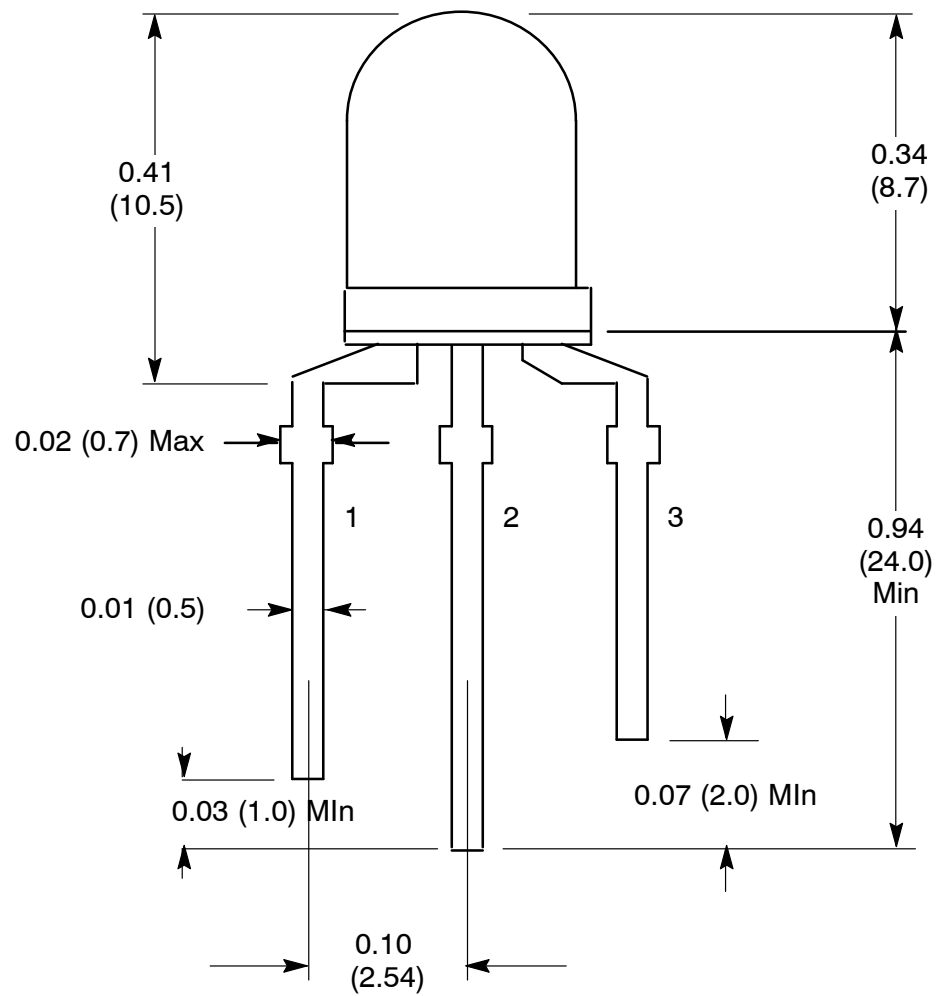
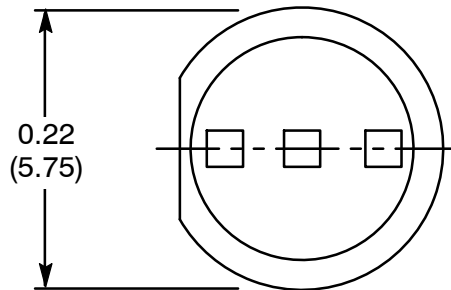
**Electro-Optical Characteristics:** ( $T_A = +25^\circ\text{C}$  unless otherwise specified)

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
Peak Emission Wavelength	$\lambda_p$	$I_F = 20\text{mA}$	-	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

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

Note 2. The dominant wavelength,  $\lambda_d$ , is derived from the CIE Chromaticity Diagram and represents the color of the device.





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