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## NTE30104 LED – Dual Color 5mm High Efficiency Red/Yellow Green

**Features:**

- RoHS Compliant
- White Diffused

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

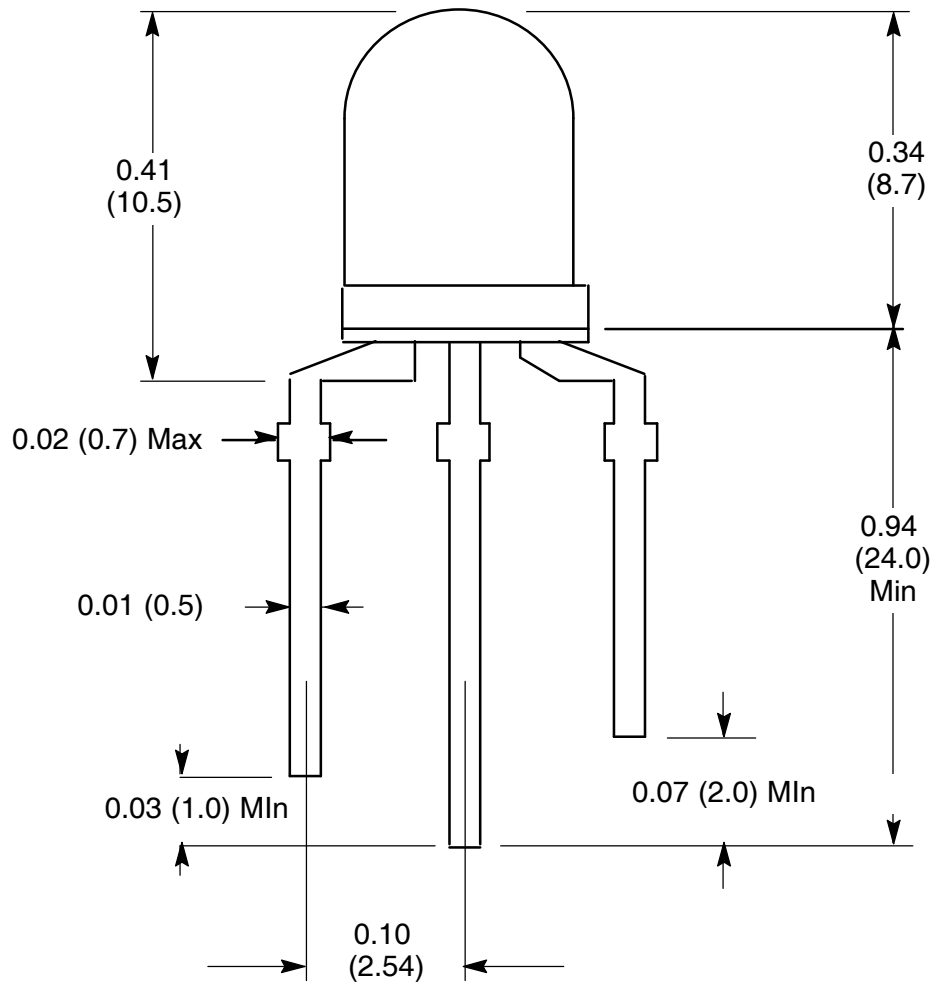
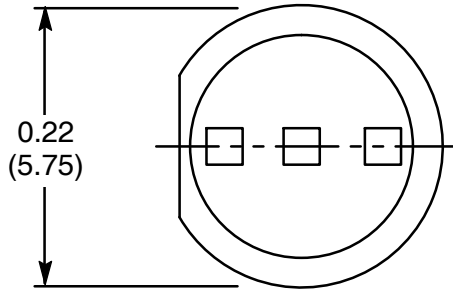
Power Dissipation, $P_d$		
High-Efficiency Red	.....	90mW
Yellow Green	.....	84mW
Continuous Forward Current, $I_F$		
High-Efficiency Red	.....	30mA
Yellow Green	.....	25mA
Peak Forward Current (1/10 Duty Ratio, 0.1ms Pulse Width), $I_{FM}$	.....	50mA
Reverse Voltage, $V_R$	.....	5V
LED Junction Temperature, $T_j$	.....	$+100^{\circ}\text{C}$
Operating Temperature Range, $T_{opr}$	.....	$-25^{\circ}\text{C}$ to $+80^{\circ}\text{C}$
Storage Temperature Range, $T_{stg}$	.....	$-40^{\circ}\text{C}$ 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	$2\theta_{1/2}$	$I_F = 20\text{mA}$	–	40	–	deg
Forward Voltage	VF	$I_F = 20\text{mA}$	–	2.05	2.80	V
High Efficiency Red				2.15	2.80	V
Yellow-Green						
Luminous Intensity (Note 1)	IV	$I_F = 20\text{mA}$	35	60	–	mcd
Peak Emission Wavelength	$\lambda_p$	$I_F = 20\text{mA}$	–	625	–	nm
High Efficiency Red				570	–	nm
Yellow-Green						
Dominant Wave Length (Note 2)	$\lambda_d(\text{HUE})$	$I_F = 20\text{mA}$	–	618	–	nm
High Efficiency Red				567	–	nm
Yellow-Green						

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 Lead -
3. Green +