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## NTE30112 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)

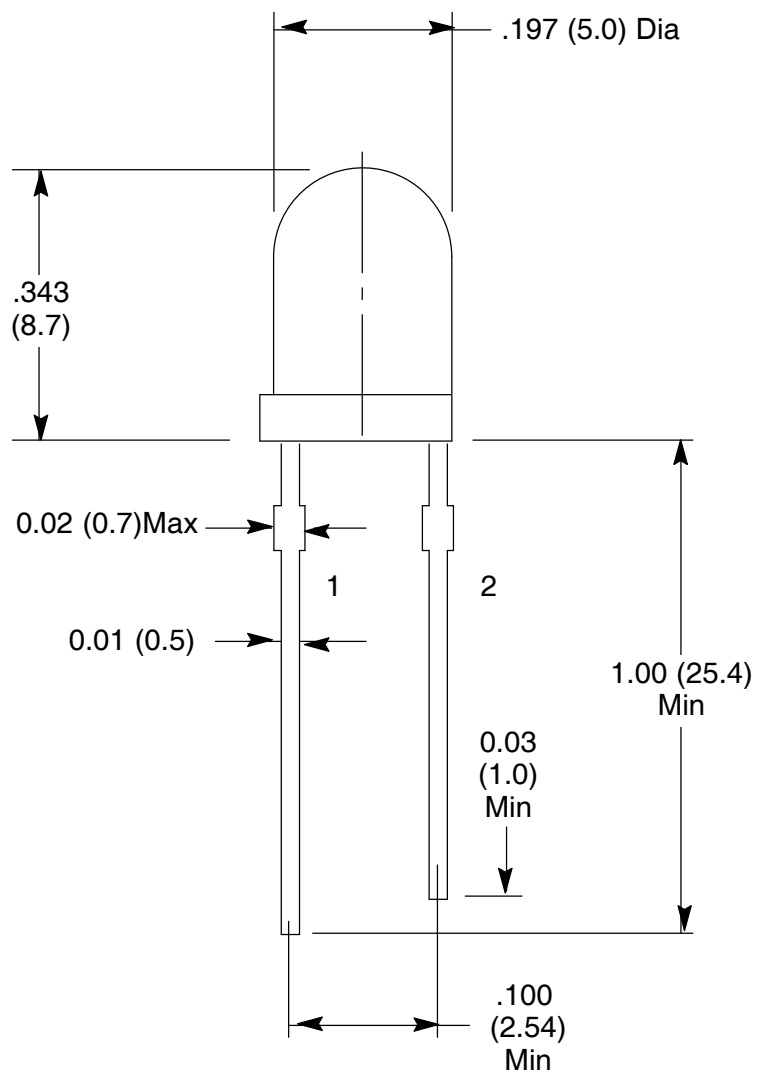
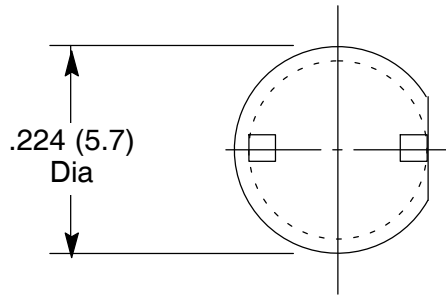
Power Dissipation, $P_d$		
High Efficiency Red	90mW	
Yellow Green	84mW	
Continuous Forward Current, $I_F$		
High Efficiency Red	30mA	
Yellow Green	25mW	
Peak Forward Current (1/10 Duty Ratio, 0.1ms Pulse Width), $I_{FM}$		50mA
Reverse Voltage, $V_R$		5V
LED Junction Temperature, $T_j$		+100°C
Operating 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	$2\theta_{1/2}$	$I_F = 20\text{mA}$	-	45	-	deg
Forward Voltage	VF	$I_F = 20\text{mA}$	-	2.05	2.80	V
High Efficiency Red				2.15	2.80	V
Luminous Intensity (Note 1)	IV	$I_F = 20\text{mA}$	25	45	-	mcd
High Efficiency Red				30	50	-
Peak Emission Wavelength	$\lambda_p$	$I_F = 20\text{mA}$	-	625	-	nm
High Efficiency Red				570	-	nm
Dominant Wave Length (Note 2)	$\lambda_d(\text{HUE})$	$I_F = 20\text{mA}$	-	618	-	nm
High Efficiency 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. Green -