ELECTRONICS, INC.
44 FARRAND STREET
BLOOMFIELD, NJ 07003
(973) 748–5089
http://www.nteinc.com

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

Features:
- RoHS Compliant
- White Diffused
- Common Cathode Pin Configuration

Absolute Maximum Ratings: (T_A = +25°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, VR 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

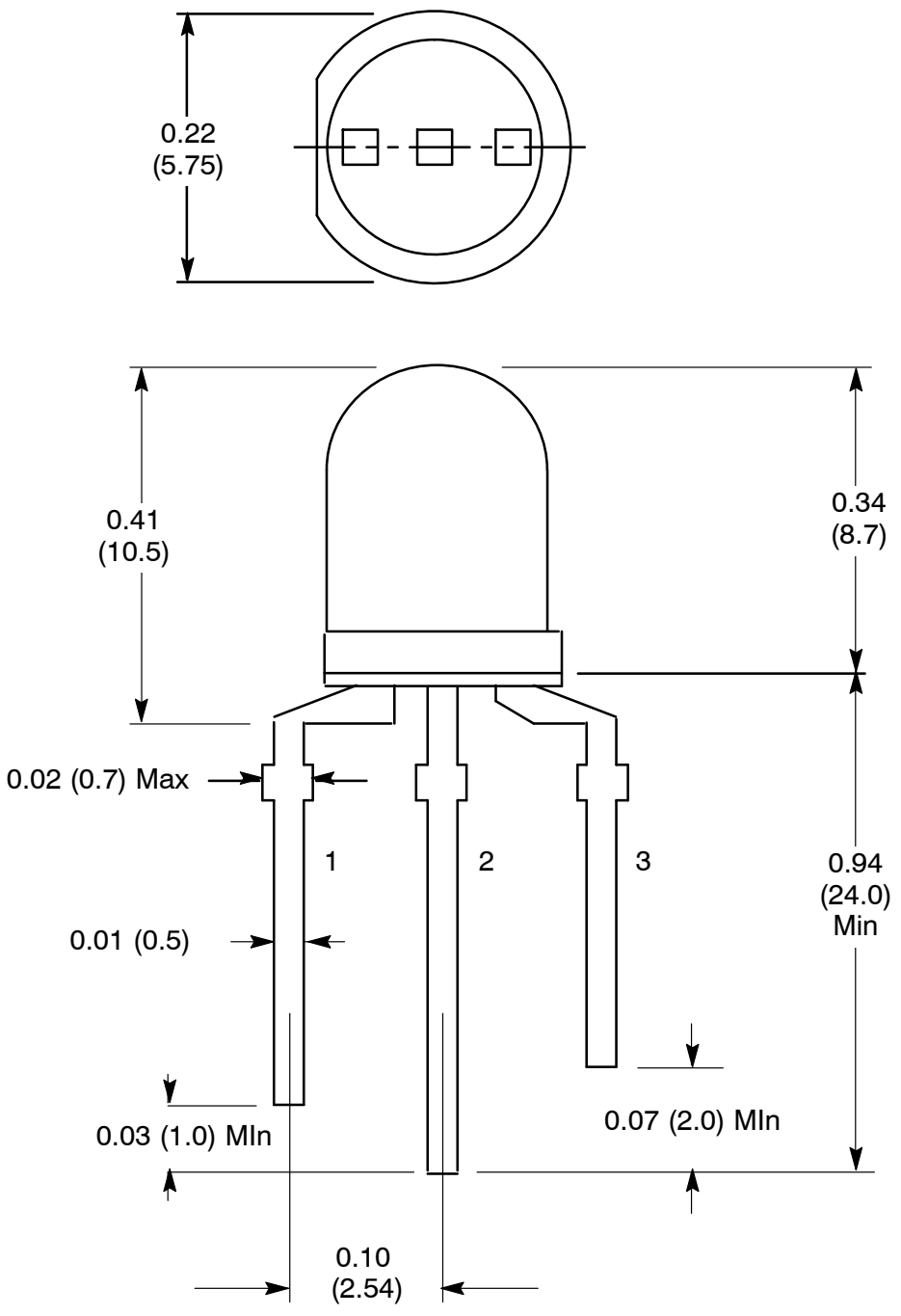
Electro–Optical Characteristics: (T_A = +25°C unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
View Angle of Half Power	$2\Theta 1/2$	IF = 20mA	–	40	–	deg
Forward Voltage High Efficiency Red	VF	IF = 20mA	–	2.05	2.80	V
Yellow–Green			–	2.15	2.80	V
Luminous Intensity (Note 1)	IV	IF = 20mA	35	60	–	mcd
Peak Emission Wavelength High Efficiency Red	λp	IF = 20mA	–	625	–	nm
Yellow–Green			–	570	–	nm
Dominate Wave Length (Note 2) High Efficiency Red	λd(HUE)	IF = 20mA	–	618	–	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.

Rev. 3–18

RoHS



1. Red +
2. Common Cathode Lead –
3. Green +