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RoHS 2002/95/EC

NTE30113
LED – Dual Color
5mm Yellow/Yellow Green

Features:
- RoHS Compliant
- White Diffused

Absolute Maximum Ratings: (T_A = +25°C unless otherwise specified)

Power Dissipation, P_d
- Yellow 90mW
- Yellow Green 84mW

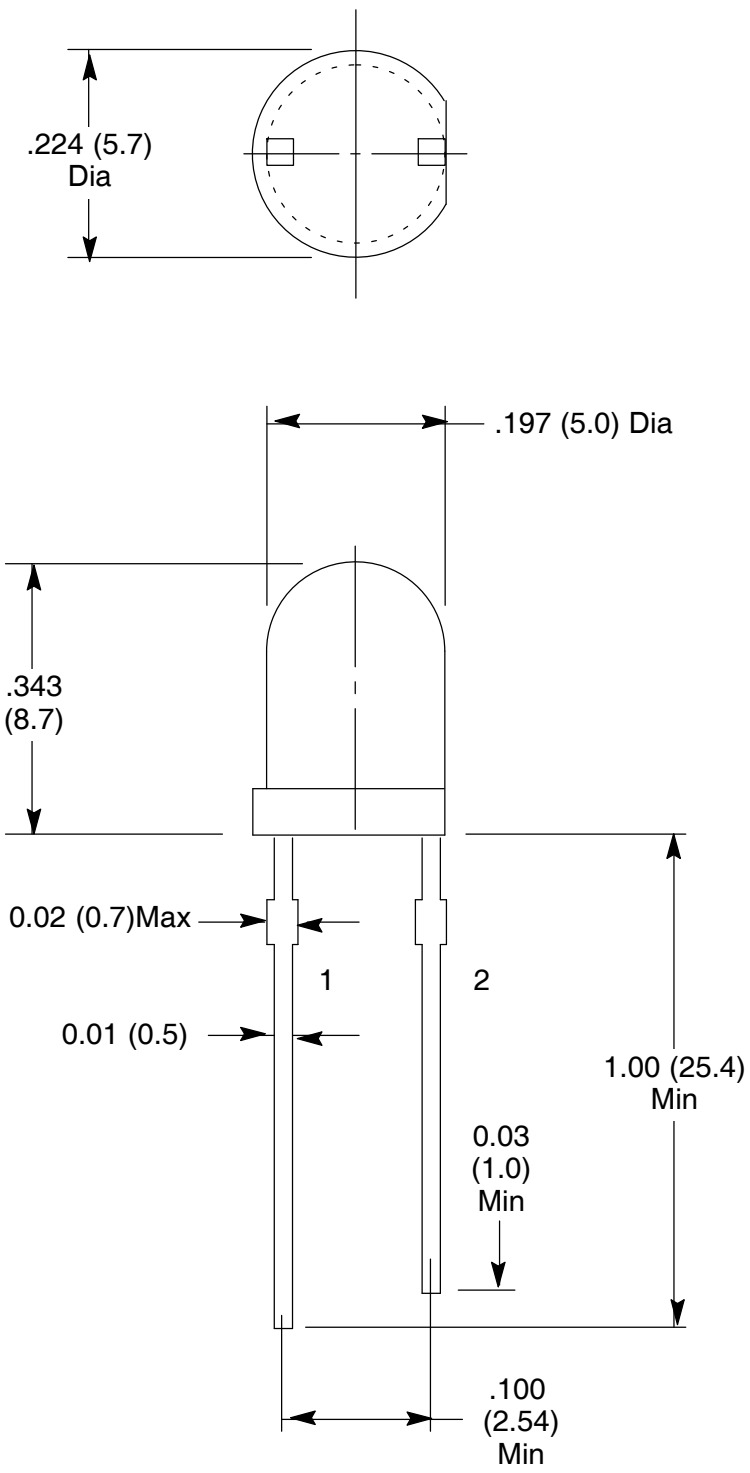
Continuous Forward Current, I_F 25mW
Peak Forward Current (1/10 Duty Ratio, 0.1ms Pulse Width), I_{FM} 50mA
Reverse Voltage, VR 3V
LED Junction Temperature, T_j . . . . . +100°C
Operating Temperature Range, T_{opr} . . . . . –25°C to +80°C
Storage Temperature Range, T_{stg} . . . . . –40°C to +100°C
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	2Θ1/2	IF = 20mA	–	45	–	deg
Forward Voltage						
Yellow	VF	IF = 20mA	–	2.10	2.80	V
Yellow Green			–	2.15	2.80	V
Luminous Intensity (Note 1)						
Yellow	IV	IF = 20mA	–	35	–	mcd
Yellow Green			–	50	–	mcd
Peak Emission Wavelength						
Yellow	λp	IF = 20mA	–	589	–	nm
Yellow Green			–	570	–	nm
Dominate Wave Length (Note 2)						
Yellow	λd(HUE)	IF = 20mA	–	585	–	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.



1. Yellow –
2. Green –