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NTE3024 Light Emitting Diode (LED) 5mm (T-1 3/4) Package

Description:

The NTE3024 is a greenish yellow Light Emitting Diode in a T-1 3/4 (5mm) type package with a tinted, diffused green lens designed for use in applications such as instruments, printed circuit board indicators, and board mounted panel displays.

Features:

- Low Power Consumption
- High Efficiency
- Low Current Requirement
- Reliable and Robust
- Standard Greenish Yellow Light Source with Green Diffused Lens

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

Power Dissipation, P_D	70mW
Peak Forward Current (Note 1), I_{FP}	100mA
Continuous Forward Current, I_F	25mA
Reverse Voltage, V_R	5V
Electrostatic Discharge, ESD	2000V(HBM)
Operating Temperature Range, T_A	-20° to $+80^\circ\text{C}$
Storage Temperature Range, T_{stg}	-30° to $+100^\circ\text{C}$
Lead Temperature (During Soldering, 1.6mm From Body, 5sec Max), T_L	$+260^\circ\text{C}$

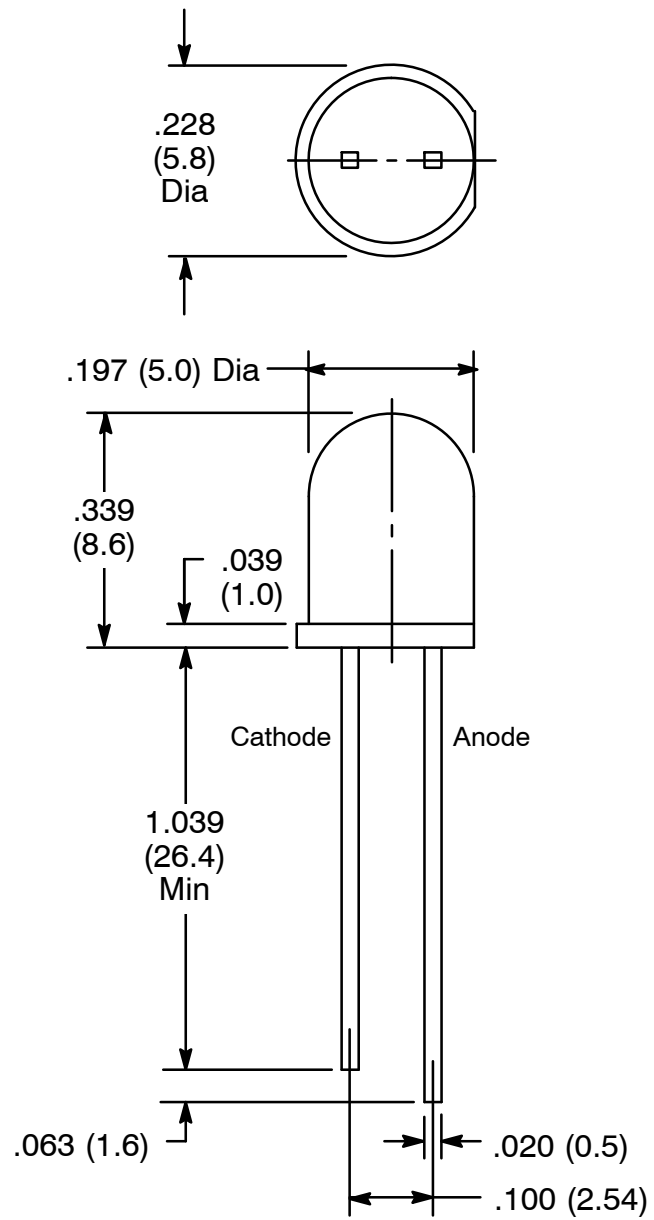
Note 1. Pulse width $\leq 100\mu\text{s}$, Duty Cycle $\leq 1\%$.

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	V_F	$I_F = 20\text{mA}$	2.0	-	2.2	V
Luminous Intensity	I_V	$I_F = 20\text{mA}$	70	-	100	mcd
Peak Emission Wavelength	λ_P		565	570	575	nm
Beam Angle	$2\theta^{1/2}$		-	25	-	deg
Reverse Current	I_R	$V_R = 5\text{V}$	-	-	5	μA

Rev. 06-23





Tolerance $\pm .010$ (.254)