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NTE3025 Light Emitting Diode (LED) T-1 3/4 (5mm)

Description:

The NTE3025 is a deep red Light Emitting Diode in a T-1 3/4 (5mm) type package with a diffused lens designed for use in applications such as instruments, printed circuit board indicators, and board mounted panel displays.

Features:

- Low Power Consumption
- High Intensity
- IC Compatible/Low Current Requirements
- Versatile Mounting on P.C. board or panel
- Reliable and Rugged
- Standard Red Light Source with Red Diffused Lens

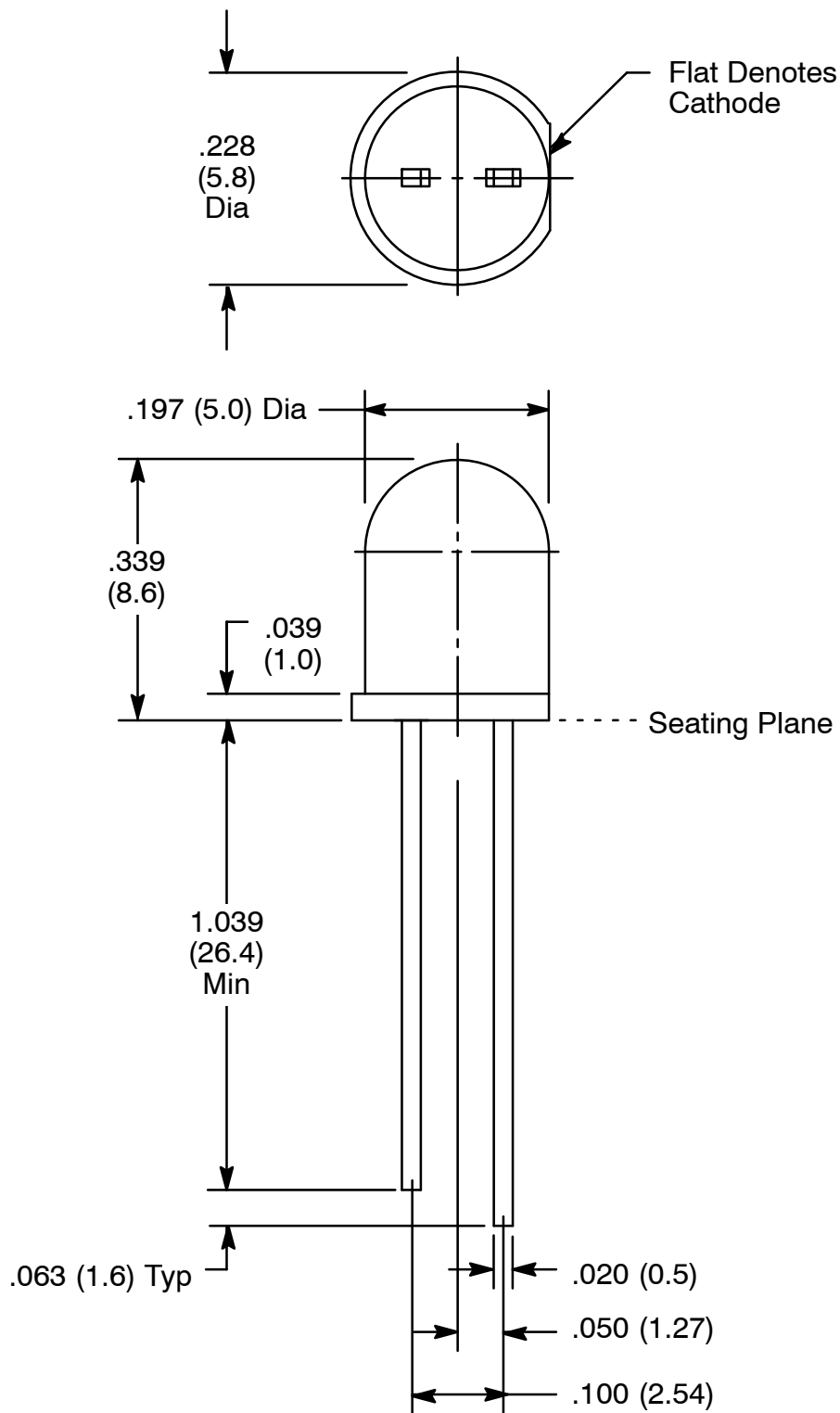
Absolute Maximum Ratings: ($T_A = +25^\circ\text{C}$ unless otherwise specified)

Power Dissipation, P_D 150mW
 Peak Forward Current, $I_{F(\text{Peak})}$ 200mA
 Continuous Forward Current, I_F 40mA
 Derate Linearly Above 25°C 0.8mA/ $^\circ\text{C}$
 Reverse Voltage, V_R 5V
 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, .063 in. (1.6mm) from Body for 5sec), T_L $+260^\circ\text{C}$

Note 1. $I_{F(\text{Peak})}$ Conditions: 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
Luminous Intensity	I_V	$I_F = 20\text{mA}$	200	-	300	mcd
Viewing Angle	$2\theta^{1/2}$		-	30	-	deg.
Peak Emission Wavelength	λ_P		650	655	660	nm
Forward Voltage	V_F	$I_F = 20\text{mA}$	2.0	-	2.2	V



Tolerance $\pm .010$ (.254)