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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 tinted, diffused red 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

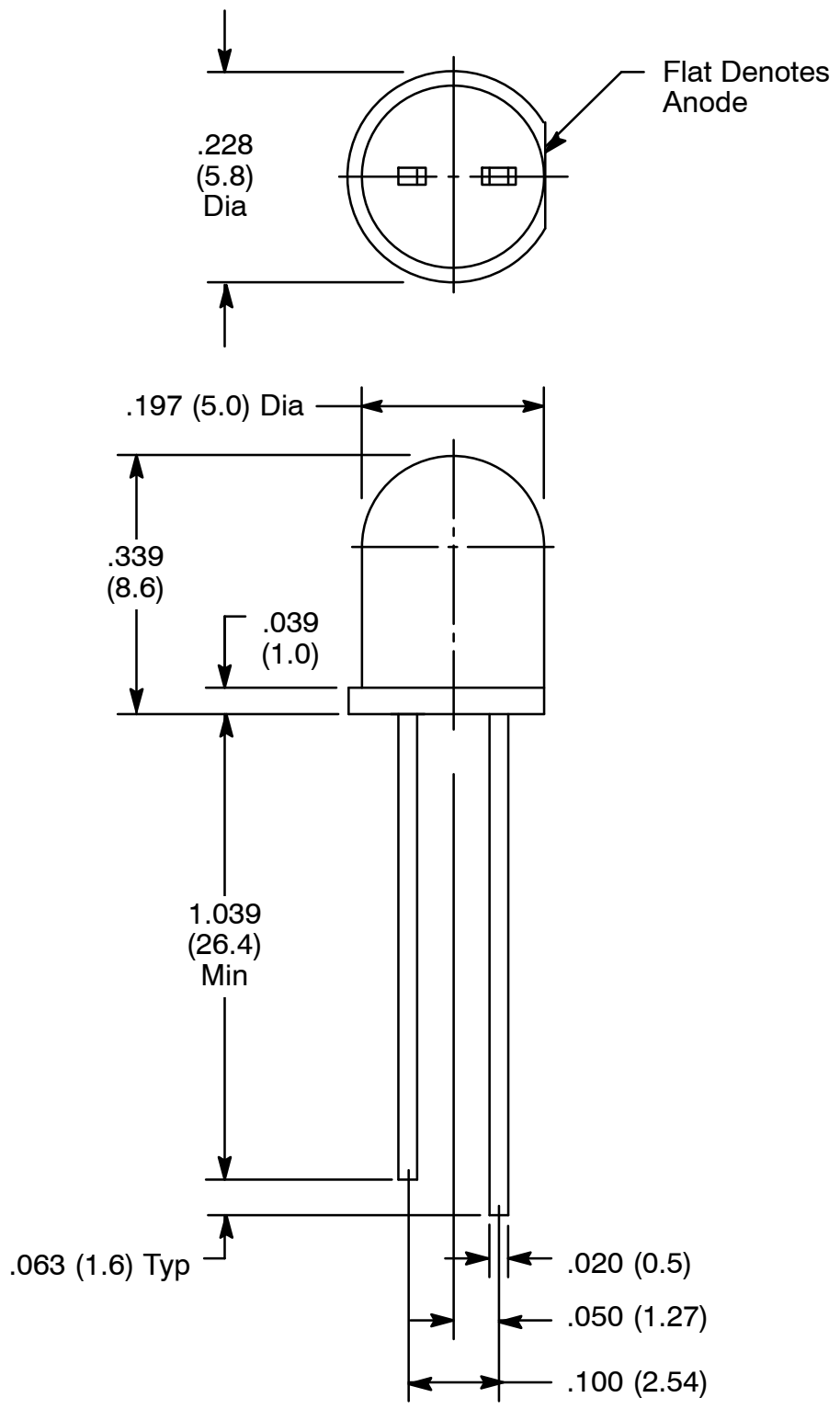
Absolute Maximum Ratings: ($T_A = +25^\circ\text{C}$ unless otherwise specified)

Power Dissipation, P_D	80mW
Peak Forward Current, $I_{F(\text{Peak})}$	100mA
Continuous Forward Current, I_F	25mA
Derate Linearly Above 30°C	0.8mA/ $^\circ\text{C}$
Reverse Voltage, V_R	5V
Electrostatic Discharge	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, .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
Forward Voltage	V_F	$I_F = 20\text{mA}$	2.0	–	2.2	V
Luminous Intensity	I_V	$I_F = 20\text{mA}$	200	–	300	mcd
Peak Emission Wavelength	λ_p		650	655	660	nm
Viewing Angle	$2\theta^{1/2}$		–	35	–	deg.
Reverse Current	I_R	$V_R = 5\text{V}$	–	–	5	μA



Tolerance \pm .010 (.254)