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NTE30125 Super Bright LED Indicator Super Bright Pink, 3mm

Features:

- High Intensity
- Normal T-1 (3mm) Diameter Package
- General Purpose Leads
- Reliable and Rugged

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

Power Dissipation, P_D	120mW
Peak Forward Current (1/10th Duty Cycle, 0.1ms Pulse Width), I_{FM}	100mA
Continuous Forward Current, I_F	30mA
Derate Linearly From $+50^\circ\text{C}$	0.4mA/ $^\circ\text{C}$
Reverse Voltage, V_R	5V
Operating Temperature Range, T_{opr}	-40° to $+80^\circ\text{C}$
Storage Temperature Range, T_{stg}	-40° to $+80^\circ\text{C}$
Lead Temperature (During Soldering, 4mm from Body, 5sec Max), T_L	$+260^\circ\text{C}$

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Luminous Intensity	I_V	$I_F = 20\text{mA}$, Note 1	700	-	1000	mcd
View Angle of Half Power	$2 \theta_{1/2}$	Note 2	25	30	35	deg
Peak Emission Wavelength	λ_P	$I_F = 20\text{mA}$	-	-	-	nm
Dominant Emission Wavelength	λ_d	$I_F = 20\text{mA}$, Note 3	-	-	-	nm
Spectral Line Half-Width	$\Delta\lambda$	$I_F = 20\text{mA}$	-	-	-	nm
Forward Voltage	V_F	$I_F = 20\text{mA}$	2.8	3.3	3.6	V
Reverse Current	I_R	$V_R = 5\text{V}$	-	-	10	μA

- Note 1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- Note 2. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- Note 3. The dominant wavelength (λ_d) is derived from the CIE chromaticity diagram and represents the single wavelength, which defines the color of the device.

