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NTE30121 5mm LED Indicator UVA/Purple, Clear Lens T-1 3/4, 5mm Type Case

Features:

- Low Power Consumption
- High Efficiency
- Versatile Mounting on P.C. Board or Panel
- Low Current Requirement
- Reliable and Robust

Applications:

- Backlighting
- UV Curing
- Tanning
- Phototherapy
- Germicidal

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

Power Dissipation, P_D	80mW
Peak Forward Current (1/10th Duty Cycle, 0.1ms Pulse Width), I_{FM}	100mA
Continuous Forward Current, I_F	30mA
Derating Linear from $+30^{\circ}\text{C}$	0.8mA/ $^{\circ}\text{C}$
Reverse Voltage, V_R	5V
Operating Temperature Range, T_{opr}	-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	$+260^{\circ}\text{C}$

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Luminous Intensity	I_V	$I_F = 20\text{mA}$	250	300	350	mcd
View Angle of Half Power	$2\theta_{1/2}$		–	20	–	deg
Peak Emission Wavelength	λ_P		390	395	400	nm
Forward Voltage	V_F	$I_F = 20\text{mA}$	3.0	–	4.0	V

Note 1. IFP Conditions: Pulse Width $\leq 100\mu\text{s}$, Duty Cycle $\leq 1\%$

Rev. 5-21



