



ELECTRONICS, INC.
 44 FARRAND STREET
 BLOOMFIELD, NJ 07003
 (973) 748-5089
<http://www.nteinc.com>

NTE30121 5mm LED Indicator UVA/Purple, Clear Lens

Features:

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

Applications:

- TV Sets
- Monitor
- Telephone
- Computer
- Circuit Board

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

Rev. 3-21



