

NTE30127 Super Bright LED Indicator Turquoise, 5mm

Features:

- Low Power Consumption
- Excellent Product Quality and Reliability
- Versatile Mounting on P.C. Board or Panel

Applications:

- Electronic Signs and Signals
- Bright Ambient Lighting Conditions
- Backlights
- General Purpose Indicators

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

Power Dissipation, P_D	70mW
Peak Forward Current (Pulse Width $\leq 0.1\text{ms}$, Duty Cycle $\leq 1/10$), I_{FM}	100mA
Continuous Forward Current, I_F	20mA
Reverse Voltage, V_R	5V
Operating Temperature Range, T_{opr}	-40° to $+85^\circ\text{C}$
Storage Temperature Range, T_{stg}	-40° to $+85^\circ\text{C}$
Lead Temperature (During Soldering, 1.6mm from Body, 4sec 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
Forward Voltage	V_F	$I_F = 20\text{mA}$	–	3.2	–	V
Reverse Current	I_R	$V_R = 5\text{V}$	–	–	10	μA
Dominant Emission Wavelength X	λ_d	$I_F = 20\text{mA}$	–	0.24	–	nm
Y			–	0.40	–	nm
Luminous Intensity	I_V	$I_F = 20\text{mA}$		10000	–	mcd
View Angle of Half Power	$2\theta_{1/2}$	$I_F = 20\text{mA}$	–	15	–	deg

Note 1. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.

