



ELECTRONICS, INC.
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NTE30135 Super Bright LED Indicator Super Yellow Green, 5mm

Features:

- Low Power Consumption
- High Efficiency
- General Purpose Leads
- High Intensity
- Dice Material: AlGaInP
- Water Clear Lens

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

Power Dissipation, P_D	75mW
Peak Forward Current (1/10th Duty Cycle, 0.1ms Pulse Width), I_{FM}	100mA
Continuous Forward Current, I_F	30mA
Derating Linear from $+50^\circ\text{C}$	0.4mA/ $^\circ\text{C}$
Reverse Voltage, V_R	5V
Operating Temperature Range, T_{opr}	-40° to $+85^\circ\text{C}$
Storage Temperature Range, T_{stg}	-40° to $+100^\circ\text{C}$
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	$I_F = 20\text{mA}$	600	1000	–	mcd
View Angle of Half Power	$2 \theta_{1/2}$	$I_F = 20\text{mA}$	–	6	–	deg
Peak Emission Wavelength	λ_P	$I_F = 20\text{mA}$	–	565	–	nm
Dominant Emission Wavelength	λ_d	$I_F = 20\text{mA}$	566	570	573	nm
Spectral Line Half-Width	$\Delta\lambda$	$I_F = 20\text{mA}$	–	20	–	nm
Forward Voltage	V_F	$I_F = 20\text{mA}$	1.8	2.1	2.5	V
Reverse Current	I_R	$V_R = 5\text{V}$	–	–	10	μA



