



**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, $T_{opr}$ .....	$-40^{\circ}$ to $+85^{\circ}\text{C}$
Storage Temperature Range, $T_{stg}$ .....	$-40^{\circ}$ 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	$\lambda_P$	$I_F = 20\text{mA}$	–	565	–	nm
Dominant Emission Wavelength	$\lambda_d$	$I_F = 20\text{mA}$	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	$\mu\text{A}$



