



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

NTE3132

Light Emitting Diode

Water Clear, High Efficiency Super Yellow-Green

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

Power Dissipation, P_D	84mW
Forward Current, I_F	
Continuous	25mA
Peak (0.1 ms pulse width, 1/10 duty cycle)	50mA
Reverse Voltage, V_R	5V
LED Junction Temperature, T_J	+100°C
Operating Temperature Range, T_{opr}	-30° to +85°C
Storage Temperature Range, T_{stg}	-40° to +100°C
Lead Temperature (During Soldering, 3sec max, 2mm below package base), T_L	+240°C

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
View Angle of Half Power	$2\theta_{1/2}$	$I_F = 20\text{mA}$	-	24	-	degree
Forward Voltage	V_F	$I_F = 20\text{mA}$	-	2.15	2.80	V
Reverse Current	I_R	$V_R = 5\text{V}$	-	-	10	μA
Luminous Intensity	I_V	$I_F = 20\text{mA}$, Note 1	200	500	-	mcd
Peak Emission Wavelength	λ_p	$I_F = 20\text{mA}$, Note 2	-	570	-	nm
Dominate Wave Length	$\lambda_d(\text{HUE})$	$I_F = 20\text{mA}$	-	567	-	nm
Spectrum Width of Half Valve	$\Delta\lambda$	$I_F = 20\text{mA}$	-	30	-	nm

Note 1. Tolerance: 30%, measured using Exeltron 2001.

Note 2. The dominate wavelength, λ_d , is derived from the CIE Chromaticity Diagram and represents the color of the device.

