



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

NTE3131 Light Emitting Diode – 5mm Blinking Green, Diffused

Features:

- T-1 3/4 Package
- Typical Blinking Rate: 3Hz
- Angle of half Intensity: $\alpha = 80$ degrees
- Single 5V Supply Operation
- Replaces Standard LED Plus External Oscillator Circuit

Applications:

- Indicator Modes: “Blink” – “Off”
- Panel Indicators
- Audio and Receiving Equipment
- Toys
- Alarm Systems
- Peripheral Equipment

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

Reverse Voltage, V_R 400mV
 Operating Voltage, V_{CC} 7V
 Blinking Frequency Range ($T_A = -40^\circ$ to $+70^\circ\text{C}$), f 1.1 to 7.2Hz
 Power Dissipation ($T_A \leq +65^\circ\text{C}$), P_V 200mW
 Operating Junction Temperature, T_J $+100^\circ\text{C}$
 Operating Temperature Range, T_{opr} -40° to $+70^\circ\text{C}$
 Storage Temperature Range, T_{stg} -40° to $+100^\circ\text{C}$
 Lead Temperature (During Soldering, 5sec max), T_L $+260^\circ\text{C}$

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Luminous Intensity	I_V		0.8	2.0	-	mcd
Peak Wavelength	λ_{peak}		-	560	-	nm
Spectral Half-Bandwidth	$\lambda\Delta 1/2$		-	40	-	nm
Blinking Frequency	f		1.3	-	5.2	Hz
Blinking Duty Cycle	D		33	-	67	%
Supply Voltage	V_{CC}		4.75	5.00	7.00	V
Forward Current LED “ON”	I_{CC}		10	-	35	mA
LED “OFF”			-	-	2.0	mA

