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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

