ELECTRONICS, INC.
44 FARRAND STREET
BLOOMFIELD, NJ 07003
(973) 748–5089
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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: α = 80 degrees
- Single 5V Supply Operation
- Replaces Standard LED Plus External Oscillator Circuit

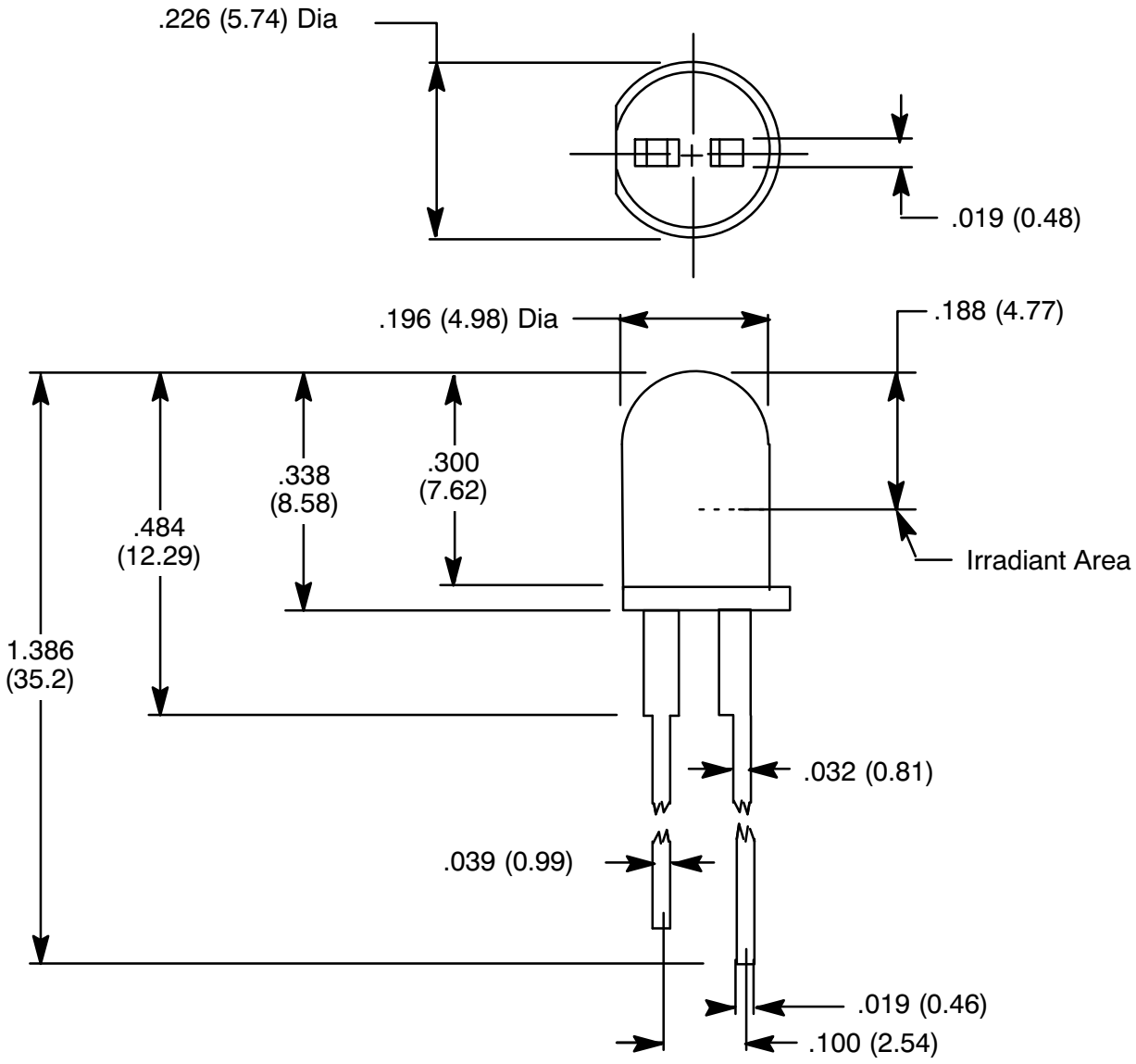
Applications:
- Indicator Modes: "Blink" – "Off"
- Panel Indicators
- Audio and Receiving Equipment
- Toys
- Alarm Systems
- Peripheral Equipment

Absolute Maximum Ratings: (T_A = +25°C unless otherwise specified)

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

Optical and Electrical Characteristics: (T_A = +25°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


.226 (5.74) Dia
.019 (0.48)
.196 (4.98) Dia
.188 (4.77)
.338
(8.58)
.300
(7.62)
.484
(12.29)
Irradiant Area
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(35.2)
.032 (0.81)
.039 (0.99)
.019 (0.46)
.100 (2.54)