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NTE3130
Light Emitting Diode
Blinking Yellow, Diffused
5mm (T–1 3/4) Package Type

Features:
- Tinted, Diffused Lens
- Built–in Blinking IC
- Operation Voltage from 3V to 12V
- Flash Frequency from 2.6Hz to 1.4Hz
- RoHS Compliant

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

Power Dissipation 300mW
Peak Forward Current, $I_{F(peak)}$ 100mA
Continuous Forward Current, I_F 30mA
Derate Linear from +30°C . . . . . 0.8mA/°C
Reverse Voltage 5V
Operating Temperature Range, T_{opr} . . . . . –40° to +80°C
Storage Temperature Range, T_{stg} . . . . . –40° to +100°C
Lead Temperature (During Soldering, 5sec max, 1.6mm from body), T_L . . . . . +260°C

Electrical Characteristics: (T_A = +25°C unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	V_F	I_F = 20mA	3	11	12	V
Luminous Intensity	I_V	I_F = 20mA	50	–	100	mcd
Peak Wavelength	λ_{peak}	I_F = 20mA	590	–	595	nm
Beam Angle	$2\theta 1/2$	(Note 1)	–	60	–	Degree
Reverse Current	I_R	V_F = 5V	–	–	10	μA

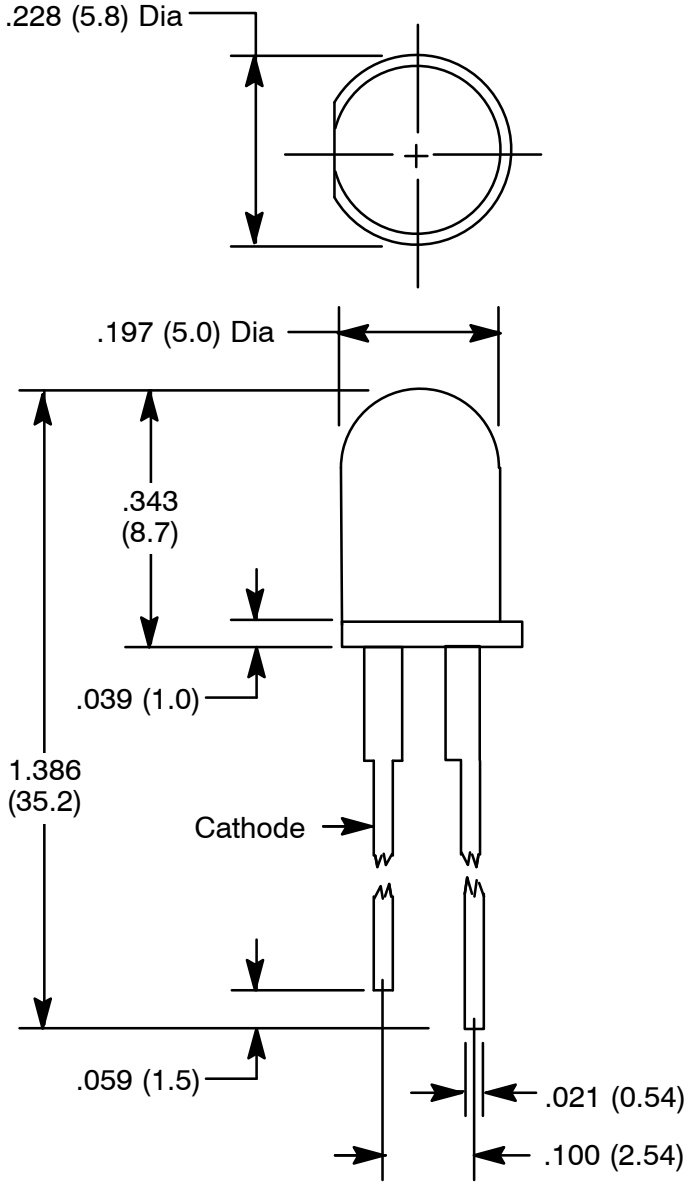
Note 1. I_{FP} Conditions – Pulse Width ≤ 100μs, Duty Cycle ≤ 1%.

Direct Current Characteristics:

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Operating Voltage	V_{DD}		3	11	12	V
Driver Current	I_OI	V_{DS} = 1.2V	–	15	–	mA
Power Consumption	P_O	V_{DD} = 12V	–	300	–	mW
Flash Frequency	F_{tet}	External ±30%	–	2.0	–	Hz

Rev. 01–23

RoHS


.228 (5.8) Dia
.197 (5.0) Dia
.343
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.039 (1.0)
1.386
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Cathode
.059 (1.5)
.021 (0.54)
.100 (2.54)