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

RoHS 2002/95/EC

NTE3130
Light Emitting Diode – 5mm
Blinking Yellow, Diffused

Features:

- Yellow Diffused, (AlGaP/GaAs)
- T–1 3/4 Package
- Built–in Blinking IC
- Operation Voltage from 3V to 14V
- Blinking Frequency from 3.0Hz to 1.5Hz
- RoHS Compliant

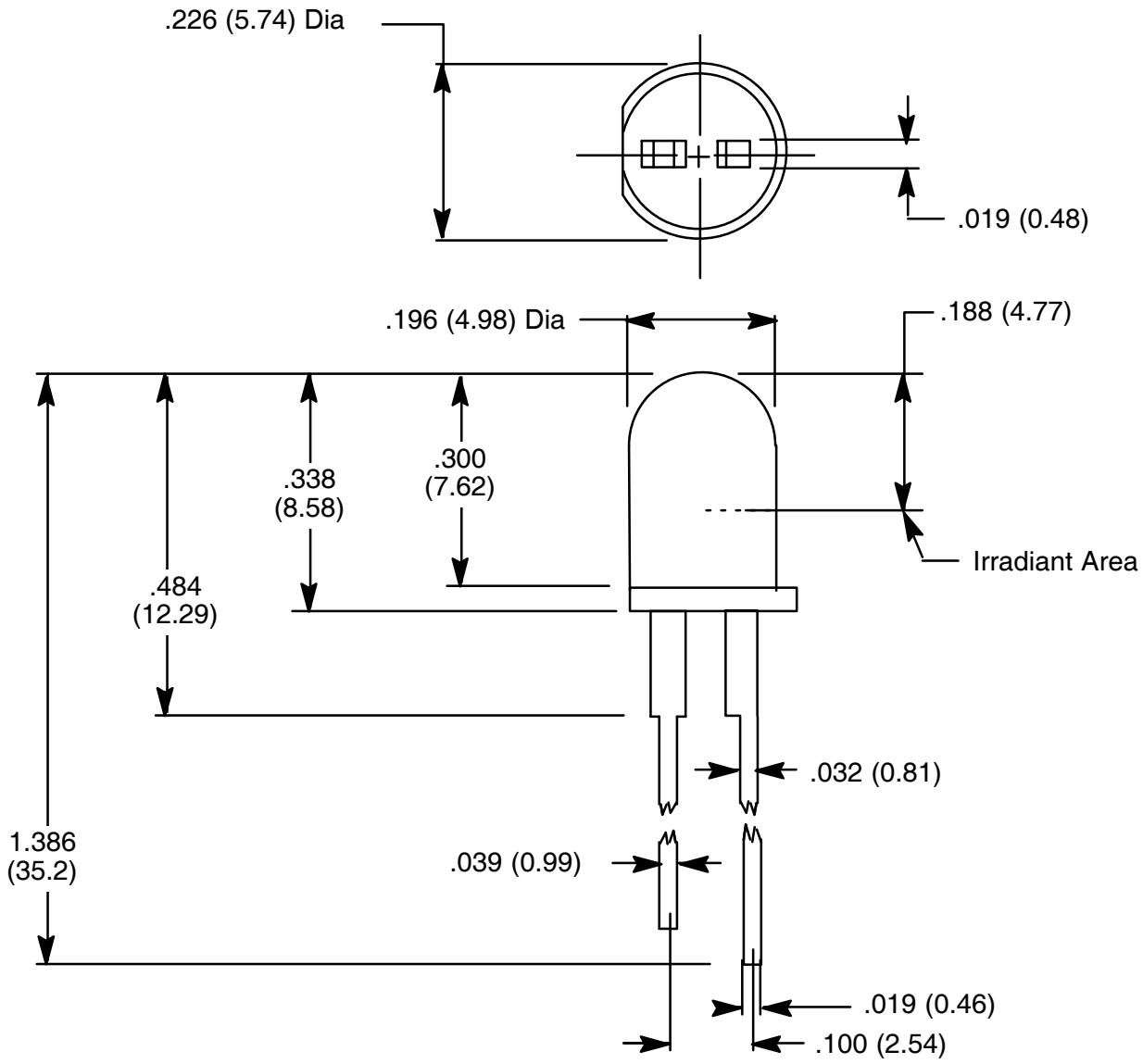
Absolute Maximum Ratings: (T_A = +25°C unless otherwise specified)

Power Dissipation 310Mw
Forward Voltage 14V
Reverse Voltage 05V
Operating Temperature Range, T_{opr} . . . . . –40° to +70°C
Storage Temperature Range, T_{stg} . . . . . –40° to +85°C
Lead Temperature (During Soldering, 3sec max, 2mm below package base) . . . . . +260°C
Lead Temperature (During Soldering, 5sec max, 5mm below package base) . . . . . +260°C

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Viewing Angle of Half Power	$2\theta 1/2$	(Note 1)	–	60	–	Degree
Luminous Intensity	I_V	V = 9V	5	20	–	mcd
Peak Wavelength	λ_{peak}		–	590	–	nm
Dominant Wavelength	λD		–	588	–	nm
Spectral Line Half–Width	$\lambda \Delta 1/2$		–	35	–	nm
Forward Current	I_F	V_F = 3.5V	8	–	–	mA
		V_F = 5V	–	22	–	mA
Supply Current	I_{SON}	V_F = 3.5V	–	8	–	mA
		V_F = 14V	–	44	–	mA
Blink Frequency	f	V_F = 3.5V to 14V	1.5	–	3	Hz

Note 1. $\theta 1/2$ is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.


.226 (5.74) Dia
.019 (0.48)
.196 (4.98) Dia
.188 (4.77)
.338
(8.58)
.300
(7.62)
Irradiant Area
.484
(12.29)
.032 (0.81)
1.386
(35.2)
.039 (0.99)
.019 (0.46)
.100 (2.54)