ELECTRONICS, INC.
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RoHS 2002/95/EC

NTE30128
LED Indicator
Ultraviolet, 5mm

Features:
- Low Power Consumption
- High Efficiency
- Low Current Requirement
- Reliable and Robust
- Water Clear

Applications:
- TV Sets
- Monitors
- Telephones
- Computers

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

Power Dissipation, P_D 100mW
Peak Forward Current (1/10th Duty Cycle, 0.1ms Pulse Width), I_{FM} 200mA
Continuous Forward Current, I_F 20mA
Reverse Voltage, V_R 5V
Operating Temperature Range, T_{opr} . . . . . –40° to +80°C
Storage Temperature Range, T_{stg} . . . . . –40° to +80°C
Lead Temperature (During Soldering, 4mm from Body, 5sec Max), T_L . . . . . +260°C

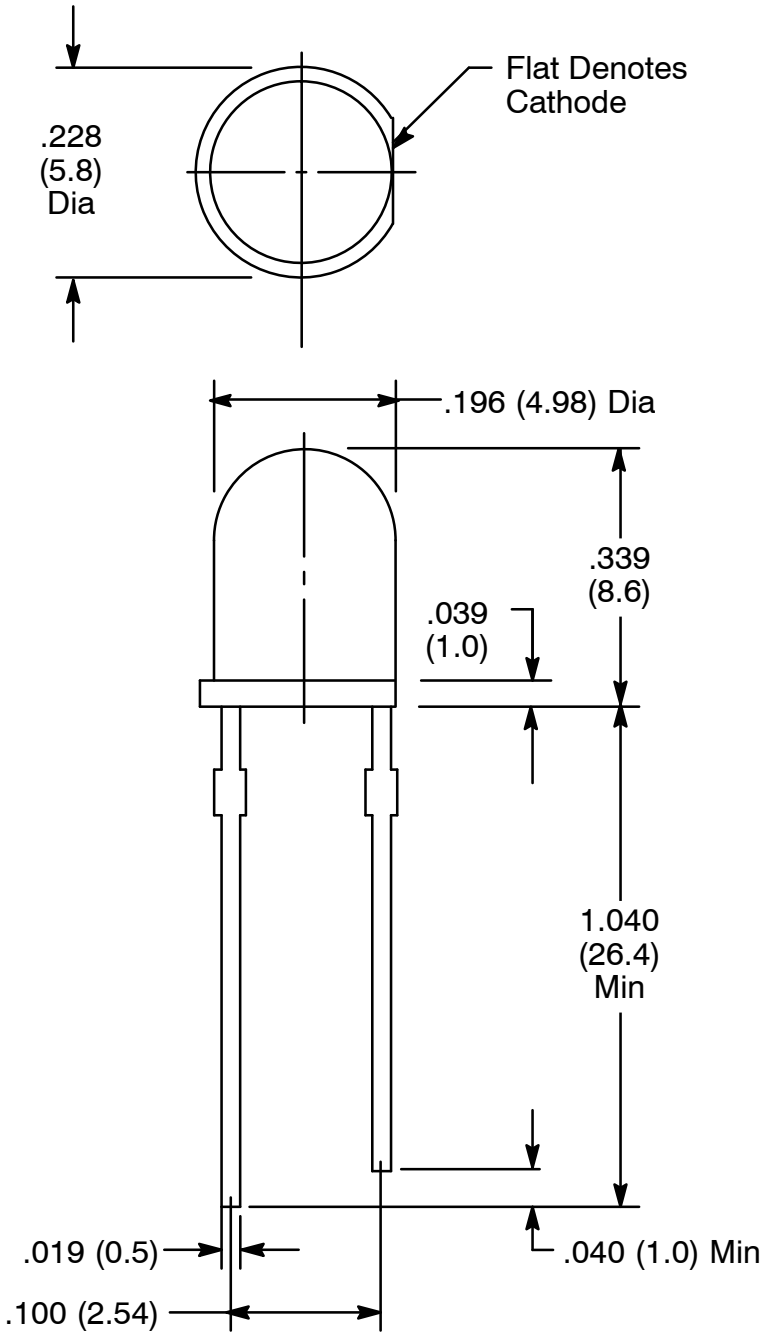
CAUTION: UV light can be harmful to the eyes even for a brief period. If it is necessary to view UV light, filtered glasses must be used. Affix a caution label if the UV light in your product can be viewed directly.

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Luminous Intensity	I_V	I_F = 20mA, Note 1	50	60	–	mcd
View Angle	θ	Note 2	–	30	–	deg
Peak Emission Wavelength	λ_P	I_F = 20mA	–	390	–	nm
Spectral Line Half–Width	$\Delta\lambda$	I_F = 20mA	–	30	–	nm
Forward Voltage	V_F	I_F = 20mA	2.9	3.3	3.6	V
Reverse Current	I_R	V_R = 5V	–	–	10	μA

Note 1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye–response curve.

Note 2. $\theta_{1/2}$ is the off–axis angle at which the luminous intensity is half the axial luminous intensity.


Flat Denotes
Cathode
.228
(5.8)
Dia
.196 (4.98) Dia
.339
(8.6)
.039
(1.0)
1.040
(26.4)
Min
.019 (0.5)
.040 (1.0) Min
.100 (2.54)