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

RoHS 2002/95/EC

NTE30127
Super Bright LED Indicator
Turquoise, 5mm

Features:
- Low Power Consumption
- Excellent Product Quality and Reliability
- Versatile Mounting on P.C. Board or Panel

Applications:
- Electronic Signs and Signals
- Bright Ambient Lighting Conditions
- Backlights
- General Purpose Indicators

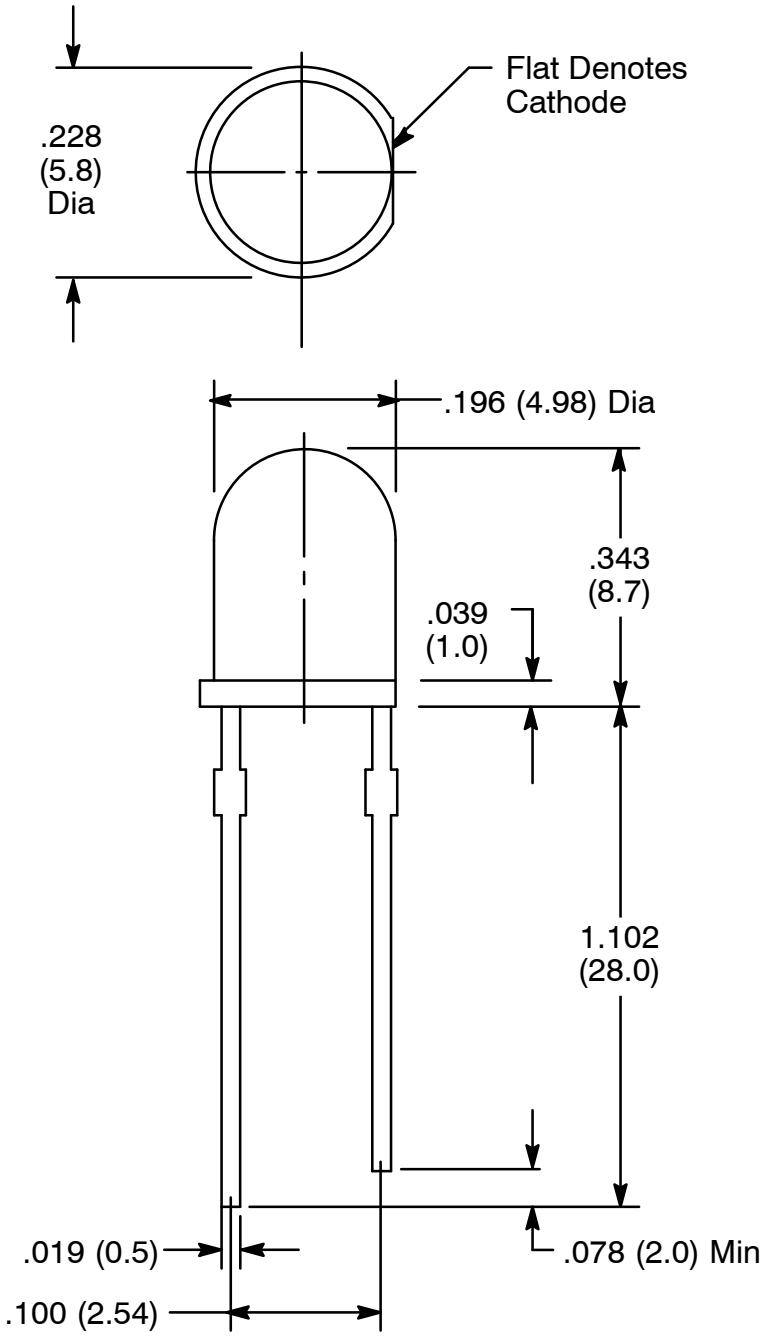
Absolute Maximum Ratings: (T_A = +25°C unless otherwise specified)

Power Dissipation, P_D 70mW
Peak Forward Current (Pulse Width ≤ 0.1ms, Duty Cycle ≤ 1/10), I_{FM} 100mA
Continuous Forward Current, I_F 20mA
Reverse Voltage, V_R 5V
Operating Temperature Range, T_{opr} . . . . . –40° to +85°C
Storage Temperature Range, T_{stg} . . . . . –40° to +85°C
Lead Temperature (During Soldering, 1.6mm from Body, 4sec Max), T_L . . . . . +260°C

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	V_F	I_F = 20mA	–	3.2	–	V
Reverse Current	I_R	V_R = 5V	–	–	10	μA
Dominant Emission Wavelength X	λ_d	I_F = 20mA	–	0.24	–	nm
Y			–	0.40	–	nm
Luminous Intensity	I_V	I_F = 20mA		10000	–	mcd
View Angle of Half Power	2 $\theta_{1/2}$	I_F = 20mA	–	15	–	deg

Note 1. $\theta_{1/2}$ 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
.343
(8.7)
.039
(1.0)
1.102
(28.0)
.019 (0.5)
.078 (2.0) Min
.100 (2.54)