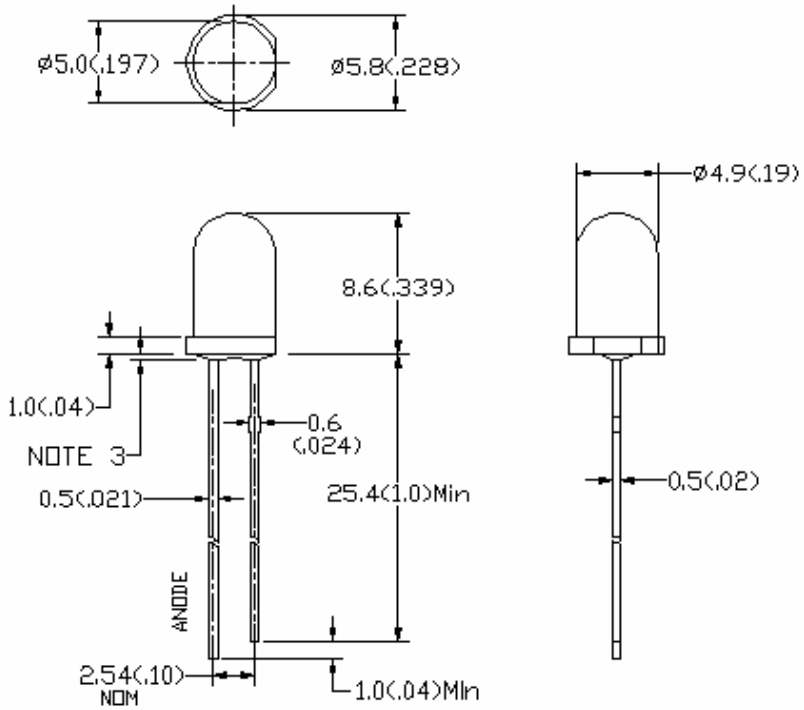
Features:

- ◆High intensity
- ◆Standard T-1 3/4 diameter package
- ◆General purpose leads
- ◆Reliable and rugged

Package Dimensions:



Part NO.	Chip Material	Lens Color	Source Color
CL-R5R150	AlGaInP	Water Clear	Red

Notes:

1.All dimensions are in millimeters (inches).
2.Tolerance is ±0.25mm (.010”)unless otherwise noted.
3.Protruded resin under flange is 1.0mm(.04”)max.
4.Lead spacing is measured where the leads emerge from the package.
5.Specifications are subject to change without notice.
6.Precautions for **ESD**:
STATIC SHIELD Electricity and surge damages the **LED**.It is recommended to use a wrist band or anti-electrostatic glove when handling the **LED**.All devices,equipment and machinery must be properly grounded.
7.This data-sheet only valid for six months.

Absolute Maximum Ratings at Ta=25℃

Parameter	MAX.	Unif
Power Dissipation	70	mW
PeakForward Current (1/10 Duty Cycle,0.1ms Pulse Width)	100	mA
Continuous Forward Current	20	mA
Derating Linear From 50℃	0.4	mA/℃
Reverse Voltage	5	V
Operating Temperature Range	-40℃ to +90℃	
Storage Temperature Range	-40℃ to +100℃	
Lead Soldering Temperature [4mm(.157")From Body	260℃ for 5 Seconds	

Electrical Optical Characteristics at Ta=25℃

Parameter	Symbol	Min.	Typ.	Max	Unit	Test Condition
Luminous Intensity	1_V	15000		18000	mcd	I_f=20Ma(Note 1)
Viewing Angle	$2\theta_{1/2}$	10	15	20	Deg	(Note 2)
Peak Emission Wavelength	λp	--	623	--	nm	I_f=20mA
Dominant Wavelength	λd	620	--	625	nm	I_f=20mA(Note 3)
Spectral Line Half-Width	△λ	20	22	25	nm	I_f=20mA
Forward Voltage	V_f	1.9	2.0	2.1	V	I_f=20mA
Reverse Current	I_R			10	μA	V_R=5V

Notes:

1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
3. The dominant wavelength(λd) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.