LUCKY LIGHT

LL-F304GC2E

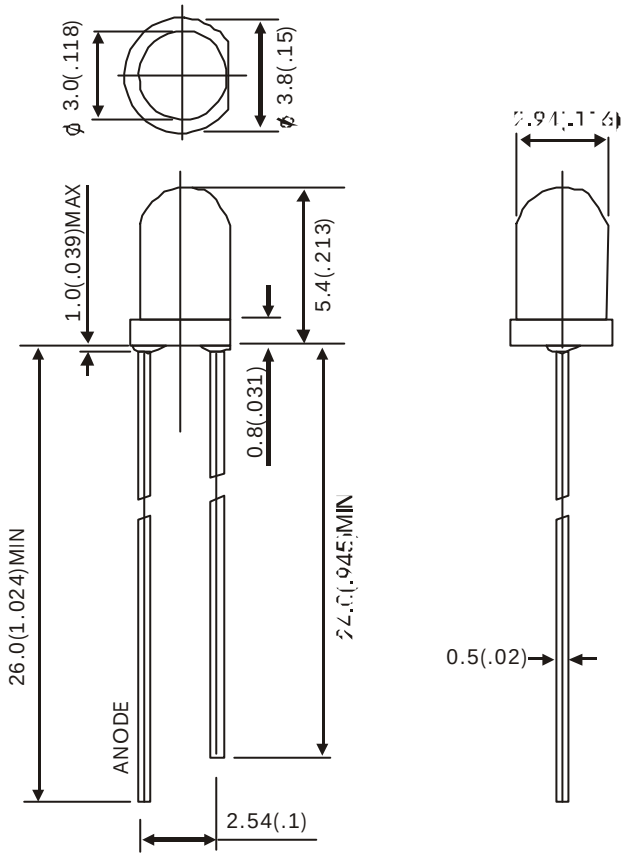
DATA SHEET

QC: EDG: Prepared By:

Features

- CMOS Technology.
- Designed for bonding with LED chip.
- Operating voltage range : 3V~15V DC
- 1/4 Duty cycle.
- Blinking frequency : 2.4Hz (Vdd=5V)
- Frequency tolerance : ±20%
- With both sink and source output drivers.

Package Dimension:



Part NO.	Lens Color	Source Color
LL-F304GC2E	Water Clear	Green

Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ±0.25(.010")mm 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

Absolute Maximum Ratings at Ta=25?

Parameter	MAX.	Unit
Continuous Forward Current	40	mA
Derating Linear From 50?	0.4	mA/?
Reverse Voltage	5	V
Operating Temperature Range	-40? to +80?	
Storage Temperature Range	-40? to +80?	
Lead Soldering Temperature [4mm(.157”) From Body]	260? for 5 Seconds	

Electrical Optical Characteristics at Ta=25?

(Vdd=5V Unless Otherwise Specified)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	Iv	---	140	---	mcd	I_F=20mA (Note 1)
Peak Emission Wavelength	? p	--	564	--	Nm	Measurement @Peak
Dominant Wavelength	? d	--	570	--	Nm	Note 1
Operating Voltage	V_{dd}	3	5	10	V	--
Output Sink Current	I sink	--	35	--	mA	--
Output Source Current	I source	--	25	--	mA	--
Blinking Frequency	F blk	2.0	2.4	2.8	Hz	--
Reverse Current	I_R	--	--	100	μA	V_R=5V

Note:

1. The dominant wavelength (? d) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.

Typical Electrical / Optical Characteristics Curves

(25? Ambient Temperature Unless Otherwise Noted)