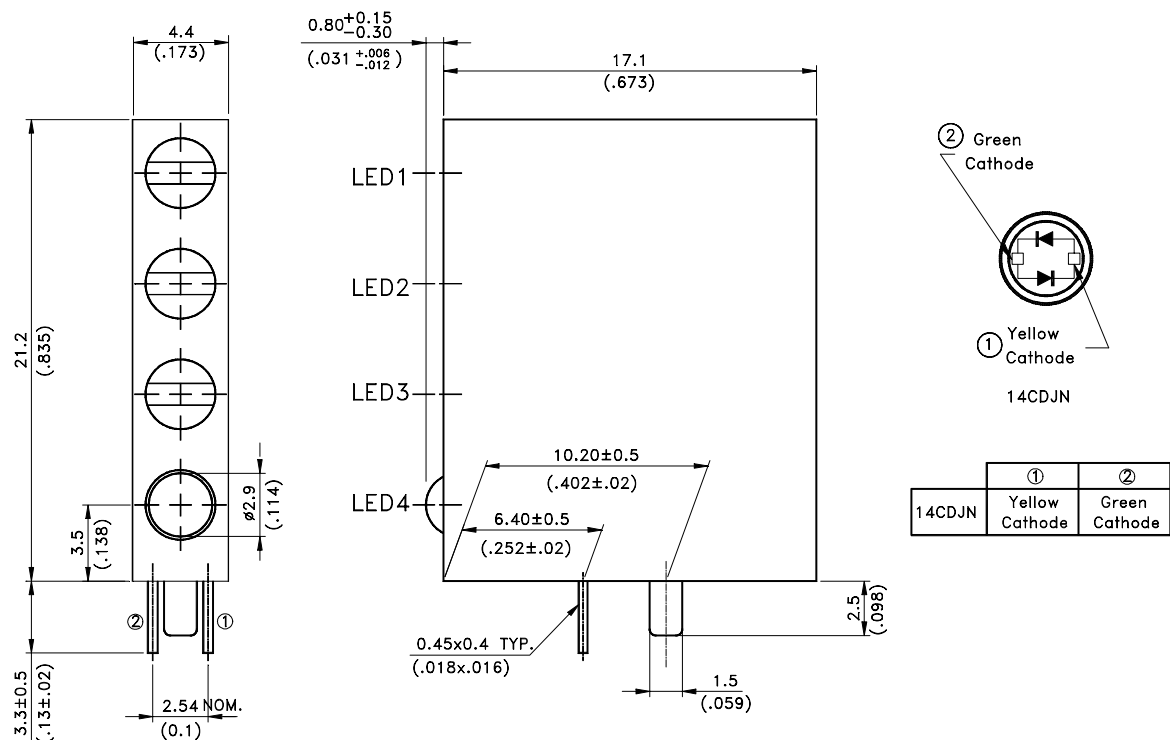## Features

* Designed for ease in circuit board assembly.
* Black case enhance contrast ratio.
* Solid state light source.
* Reliable and rugged.

Package Dimensions

Part No. LTL-	Lens	Source Color
14CDJN	White Diffused	Green/Yellow

Notes:
1. All dimensions are in millimeters (inches).
2. Tolerance is ±0.25mm(.010") unless otherwise noted.
3. The holder color is black.
4. The LED1~ LED3 are empty.
   The LED4 lamp is LTL-14CDJN .

Absolute Maximum Ratings at Ta=25℃

Parameter	Green	Yellow	Unit
Power Dissipation	100	60	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	120	80	mA
Continuous Forward Current	30	20	mA
Derating Linear From 50℃	0.4	0.25	mA/℃
Operating Temperature Range	-55℃ to + 100℃		
Storage Temperature Range	-55℃ to + 100℃		
Lead Soldering Temperature [1.6mm(.063") From Body]	260℃ for 5 Seconds		

Electrical Optical Characteristics at Ta=25℃

Parameter	Symbol	LTL-14CDJNH36P		Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	Iv	Green		3.7	12.6		mcd	I_F = 20mA
		Yellow		2.5	8.7			Note 1,4
Viewing Angle	$2\theta_{1/2}$	Green			80		deg	Note 2 (Fig.6)
		Yellow						
Peak Emission Wavelength	λp	Green			565		nm	Measurement @Peak (Fig.1)
		Yellow			585			
Dominant Wavelength	λd	Green			569		nm	Note 3
		Yellow			588			
Spectral Line Half-Width	$\triangle \lambda$	Green			30		nm	
		Yellow			35			
Forward Voltage	V_F	Green			2.1	2.6	V	I_F = 20mA
		Yellow			2.1	2.6		
Reverse Current	I_R	Green				100	μA	V_R = 5V, Note 5
		Yellow						
Capacitance	C	Green			35		pF	V_F = 0 , f = 1MHz
		Yellow			15			

Note: 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.

4. Iv needs ±15% additionary for guaranteed limits.

5. Reverse current is controlled by dice source.

Typical Electrical / Optical Characteristics Curves

(25℃ Ambient Temperature Unless Otherwise Noted)

Green   Yellow

Fig.1 Relative Intensity vs. Wavelength

Fig.2 Forward Current vs.
Forward Voltage

Fig.3 Forward Current
Derating Curve

Fig.4 Relative Luminous Intensity
vs. Forward Current

Fig.5 Luminous Intensity vs.
Ambient Temperature

Fig.6 Spatial Distribution