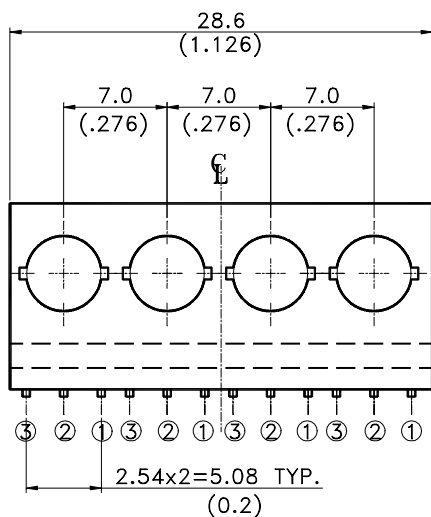


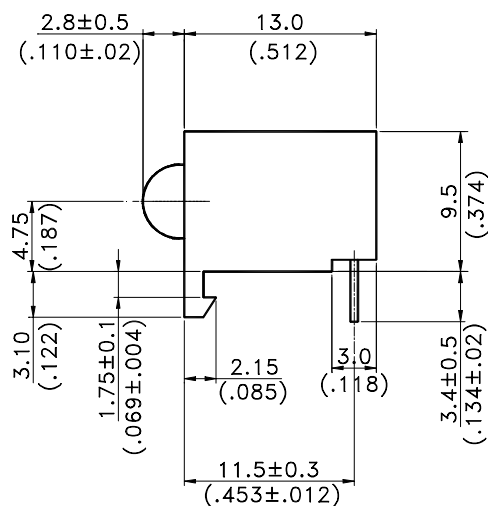
Features

- * Red and Green chips are matched for uniform light output.
- * T-1 3/4 type package.
- * Long life solid state reliability.
- * Low power consumption.

Package Dimensions



	30EFJNF
①	Green Anode
②	Common Cathode
③	Bright Red Anode



Part No.	Lens	Source Color
LTL-30EFJNF	White Diffused	Green/Bright Red

Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25\text{mm}(.010")$ unless otherwise noted.
3. The holder color is black.
4. The LED lamps are LTL-30EFJNF.



LITE-ON ELECTRONICS, INC.

Property of Lite-On Only

Absolute Maximum Ratings at Ta=25°C

Parameter	Green	Bright Red	Unit
Power Dissipation	100	40	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	120	60	mA
Continuous Forward Current	30	15	mA
Derating Linear From 50°C	0.4	0.2	mA/°C
Reverse Voltage	5	5	V
Operating Temperature Range	-55°C to + 100°C		
Storage Temperature Range	-55°C to + 100°C		
Lead Soldering Temperature [1.6mm(.063") From Body]	260°C for 5 Seconds		

Electrical Optical Characteristics at Ta=25°C

Parameter	Symbol	LTL-30EFJNFH52	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I _v	Bright Red	2.5	8.7		mcd	I _F = 10mA Note 1,4
		Green	8.7	29			I _F = 10mA Note 1,4
Viewing Angle	2 $\theta_{1/2}$	Bright Red Green		30		deg	Note 2 (Fig.6)
Peak Emission Wavelength	λ_p	Bright Red Green		697 565		nm	Measurement @Peak (Fig.1)
Dominant Wavelength	λ_d	Bright Red Green		657 569		nm	Note 3
Spectral Line Half-Width	$\Delta \lambda$	Bright Red Green		90 30		nm	
Forward Voltage	V _F	Bright Red Green		2.1 2.1	2.6 2.6	V	I _F = 20mA
Reverse Current	I _R	Bright Red Green			100 100	μA	V _R = 5V
							V _R = 5V
Capacitance	C	Bright Red Green		55 35		pF	V _F = 0 , f = 1MHz

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, λ_d is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.

4. I_v needs $\pm 15\%$ additional for guaranteed limits.

Typical Electrical / Optical Characteristics Curves

(25°C Ambient Temperature Unless Otherwise Noted)

