

## LITEON LITE-ON ELECTRONICS, INC.

Property of Lite-On Only

#### **Features**

- \* High Intensity.
- \* Popular T-1 3/4 diameter Package.
- \* Selected minimun intensities.
- \* General purpose leads.
- \* Reliable and rugged.

#### **Package Dimensions**



Part No.	Lens	Source Color
LTL-4234	Green Transparent	Green

Notes:

1. All dimensions are in millimeters (inches).

2. Tolerance is  $\pm$  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.

Part No.: LTL-4234

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Parameter	Maximum Rating	Unit	
Power Dissipation	100	mW	
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	120	mA	
Continuous Forward Current	30	mA	
Derating Linear From 50°C	0.4	mA/°C	
Reverse Voltage	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		

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Electrical / Optical Characteristics at TA=25°C								
Parameter	Symbol	Min.	Тур.	Max.	Unit	Test Condition		
Luminous Intensity	Iv	19	60		mcd	I <sub>F</sub> = 10mA Note 1,4		
Viewing Angle	2 heta 1/2		16		deg	Note 2 (Fig.6)		
Peak Emission Wavelength	λр		565		nm	Measurement @Peak (Fig.1)		
Dominant Wavelength	$\lambda$ d		569		nm	Note 3		
Spectral Line Half-Width	Δλ		30		nm			
Forward Voltage	$V_{\mathrm{F}}$		2.1	2.6	V	$I_F = 20 m A$		
Reverse Current	Ir			100	μA	$V_R = 5V$		
Capacitance	С		35		pF	$V_F = 0$ , $f = 1MHz$		

- Note: 1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE (Commission International De L'Eclairage) 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,  $\lambda d$  is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.
  - 4. The Iv guarantee should be added  $\pm$  15%.

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