

5mm Round LED (T-1 3/4)

Features

- Popular T-1 3/4 diameter package
- Choice of various viewing angles
- Reliable and robust



T-1 3/4

Descriptions

- The series is specially designed for applications requiring higher brightness.
- The LED lamps are available with different colors, intensities, epoxy colors, etc.

Applications

- TV set
- Monitor
- Telephone
- Computer

Device Selection Guide

Part No.	Chip		Lens Color
	Material	Emitted Color	
TLN-R3R5-333I	GaAsP/GaP	Hi-Eff Red	Color Tinted

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Value	Unit
Reverse Voltage	VR	5	V
Continuous Forward Current	IF	30	mA
Peak Forward Current (Duty 1/10@1KHZ)	IFP	160	mA
Power Dissipation	Pd	100	mW
Operating Temperature	Topr	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +100	°C
Soldering Temperature (Note.1)	Tsol	260 ±5	°C

Note 1:

Soldering time ≤ 5 seconds

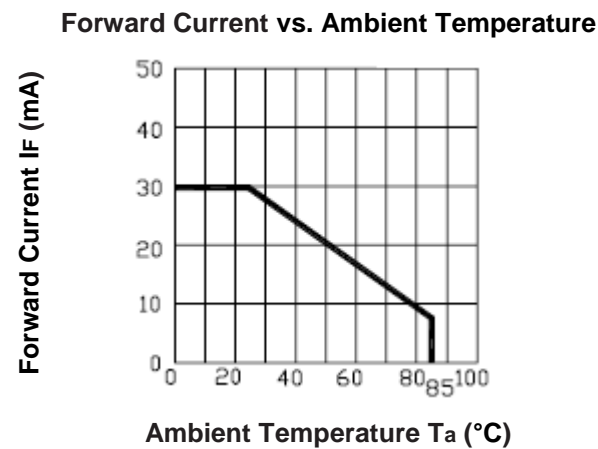
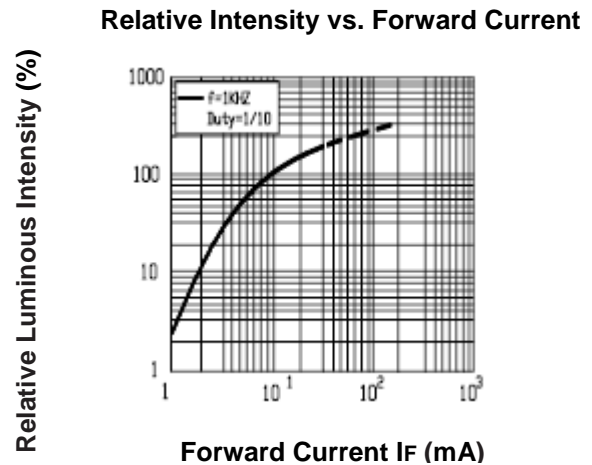
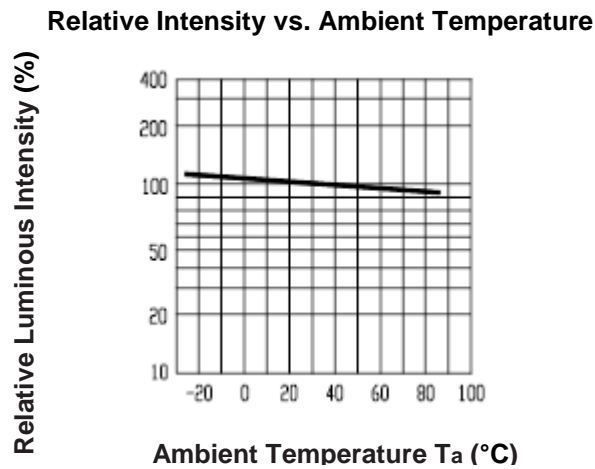
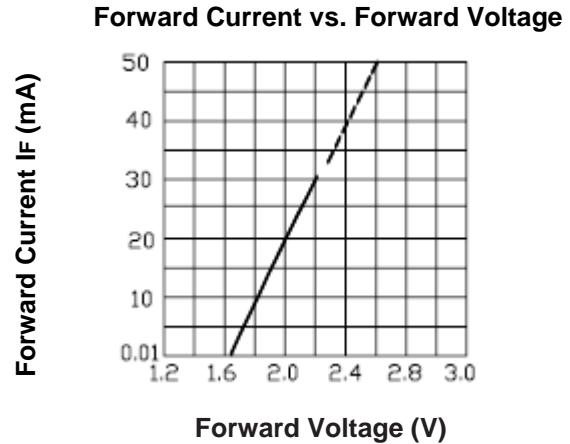
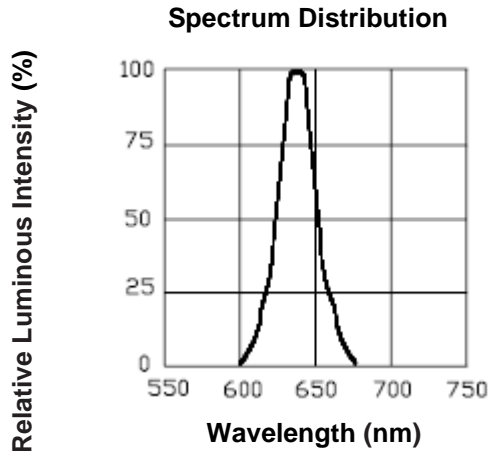
Electro-Optical Characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	Iv	10	30	-----	mcd	IF =20mA
Viewing Angle	2θ1/2	-----	20	-----	deg	
Peak wavelength	λp	-----	635	-----	nm	
Dominant wavelength	λd	-----	625	-----	nm	
Spectrum Radiation Bandwidth	Δλ	-----	45	-----	nm	
Forward Voltage	VF	1.7	2.0	2.4	V	
Reverse Current	IR	-----	-----	10	μA	VR=5V

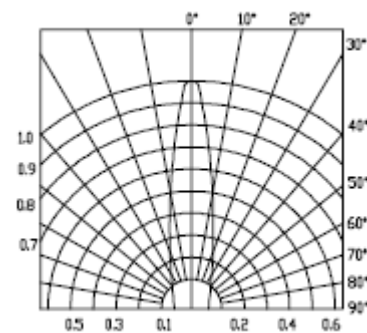
Notes:

1. Tolerance of Luminous Intensity: ±10%
2. Tolerance of Dominant wavelength: ±1.0nm
3. Tolerance of Forward Voltage: ±0.1V

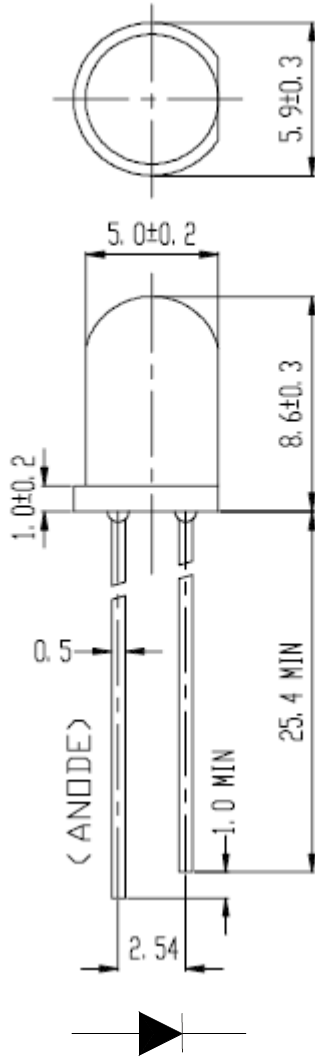
Typical Electro-Optical Characteristics Curves (Ta=25°C)



Radiation Diagram



Package Dimensions (In mm)



Note:

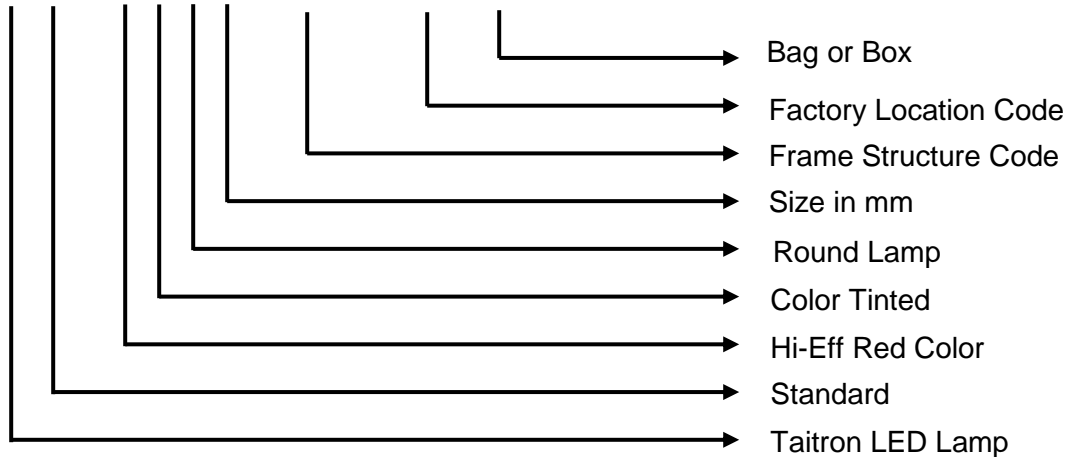
1. All dimensions are in millimeters, and tolerance is 0.25mm without special declared.
2. An epoxy meniscus may extend about 1.5mm down the lead.

Packing Quantity Specification

1. 500 Pcs/1 Bag, 5 Bags/1 Box

Ordering Information

TL N - R 3 R 5 - 333I - 92 - B



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