

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.

Applications

- TV set
- Monitor
- Telephone
- Computer

Device Selection Guide

Part No.	Chip		Lens Color
	Material	Emitted Color	
TLN-R4R5-333	GaAsP	Hi-Eff Red	Color Diffused

Absolute Maximum Ratings ($T_a=25^{\circ}\text{C}$)

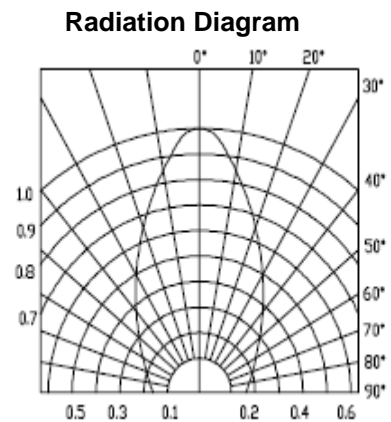
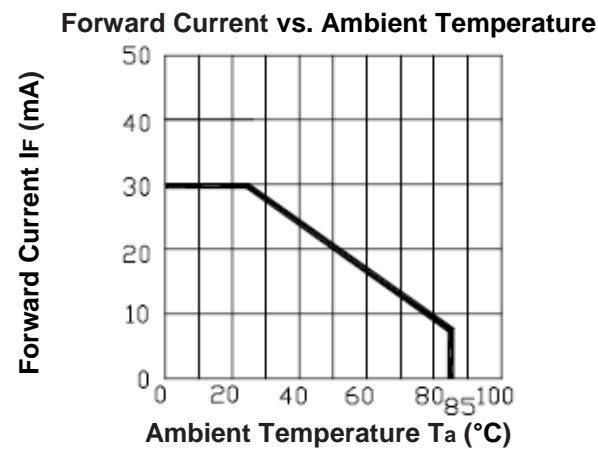
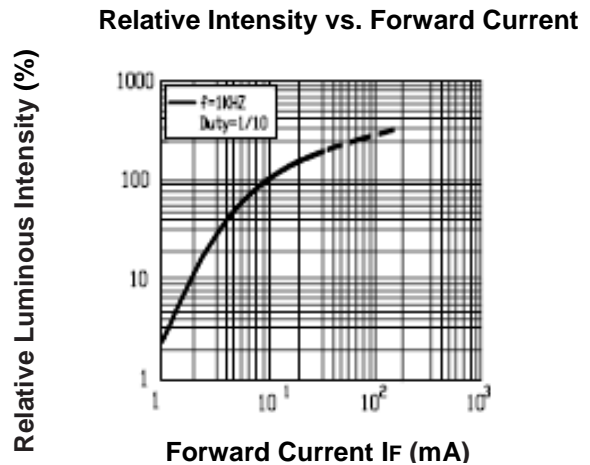
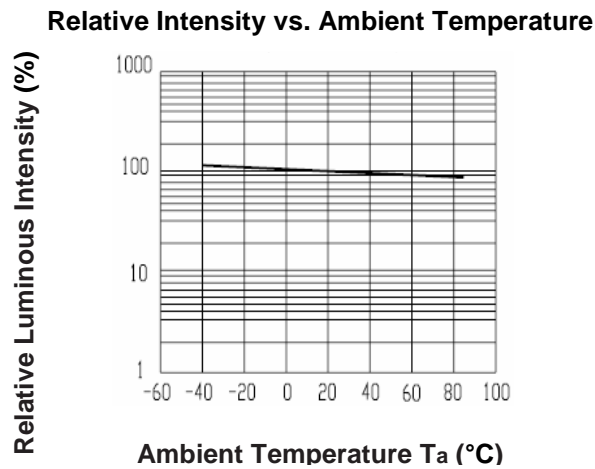
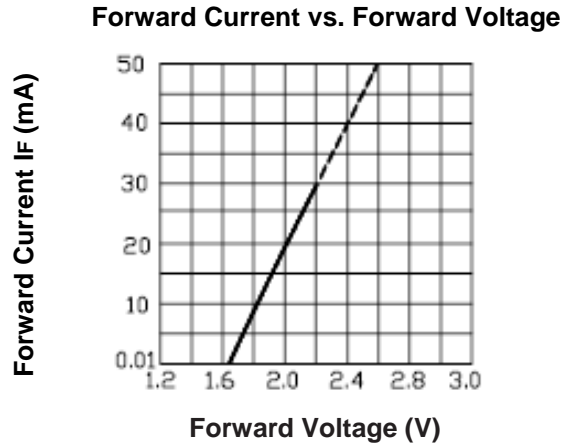
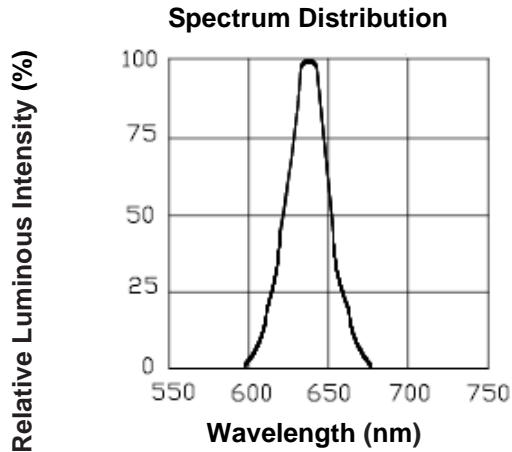
Parameter	Symbol	Value	Unit
Reverse Voltage	VR	5	V
Continuous Forward Current	IF	30	mA
Power Dissipation	Pd	100	mW
Peak Forward Current (Duty 1/10@1KHZ)	IF	160	mA
Soldering Temperature (Note.1)	Tsol	260 \pm 5	$^{\circ}\text{C}$
Operating Temperature	Topr	-40 ~ +85	$^{\circ}\text{C}$
Storage Temperature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

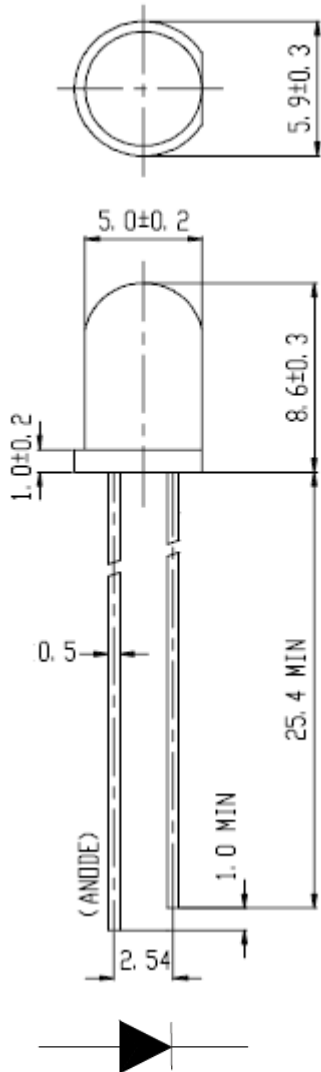
Note 1:Soldering time \leq 5 seconds**Electro-Optical Characteristics** ($T_a=25^{\circ}\text{C}$)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	Iv	2.5	10.0	-----	mcd	IF =10mA
Viewing Angle	2θ1/2	-----	60	-----	deg	IF =20mA
Peak wavelength	λ_p	-----	635	-----	nm	
Dominant wavelength	λ_d	-----	625	-----	nm	
Spectrum Radiation Bandwidth	$\Delta\lambda$	-----	45	-----	nm	
Forward Voltage	VF	1.7	2.0	2.4	V	
Reverse Current	IR	-----	-----	10	μA	VR=5V

Notes: Tolerance of Luminous Intensity: $\pm 10\%$ Tolerance of Dominant wavelength: $\pm 1.0\text{nm}$ Tolerance of Forward Voltage: $\pm 0.1\text{V}$

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



Package Dimensions (In mm)**Note:**

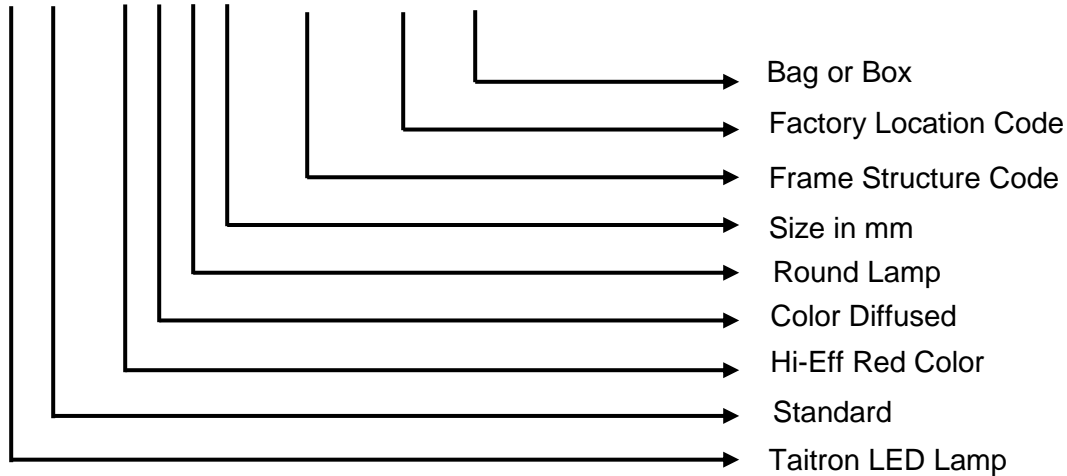
1. All dimensions are in millimeters, and tolerance is 0.25mm without special declared.
2. An epoxy meniscus may extend about 1.5mm down the lead.

Packing Quantity Specification

1. 1000 Pcs/1 Bag, 8 Bags/1 Box
2. 4 Boxes/1 Carton

Ordering Information

TL N - R 4 R 5 - 333 - 92 - B



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