

3mm Round Small Flange without stand-off LED (T-1)

Features

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



T-1

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-R3R3-1254	GaAsP/GaP	Hi-Eff Red	Color Tinted

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TLN-R3R3-1254

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)

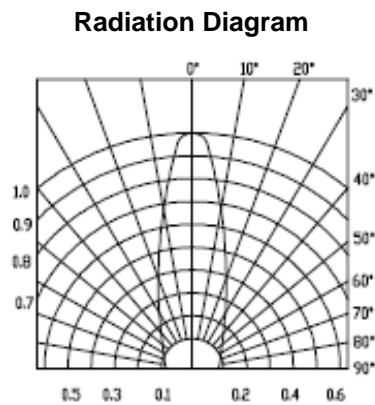
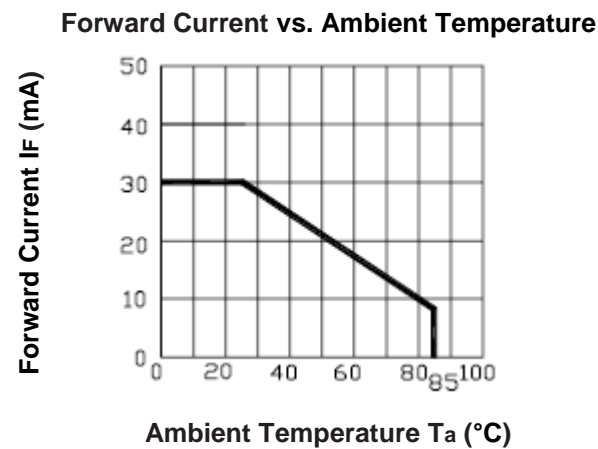
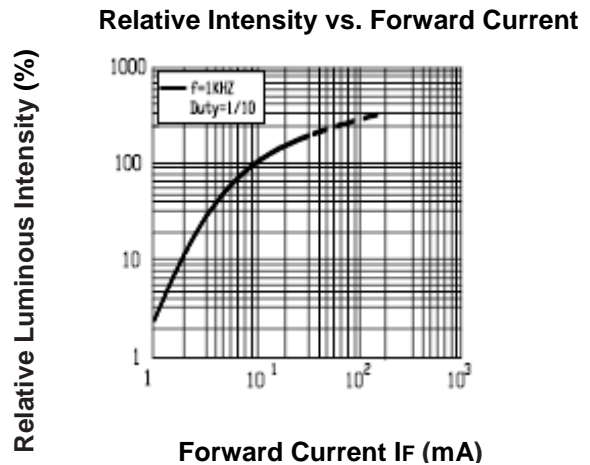
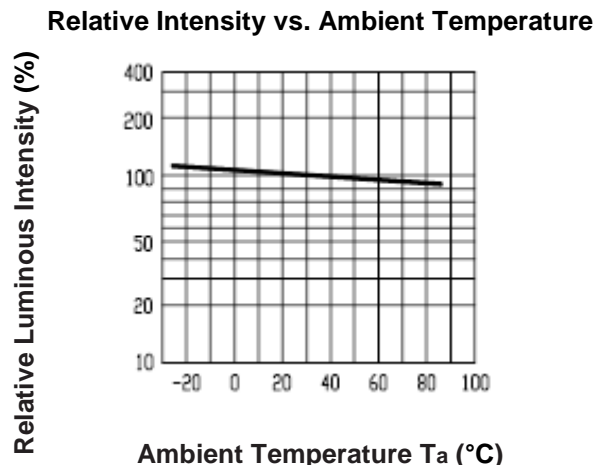
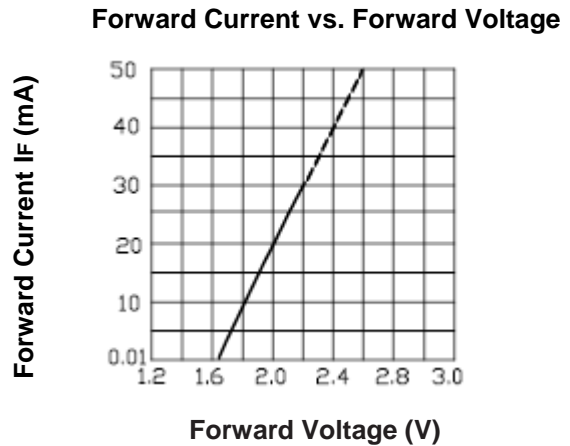
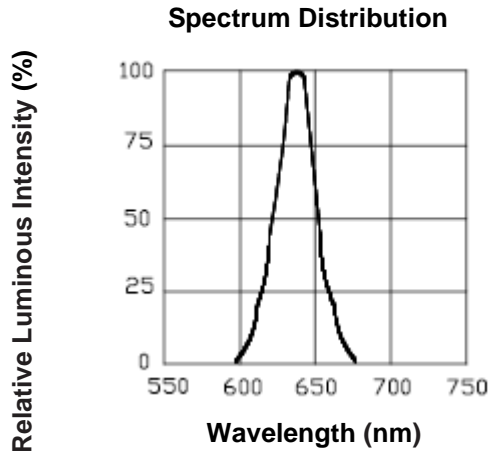
Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	Iv	16	25	-----	mcd	IF =10mA
Viewing Angle	2θ1/2	-----	30	-----	deg	IF =20mA
Peak wavelength	λp	-----	635	-----	nm	
Dominant wavelength	λd	-----	625	-----	nm	
Spectrum Radiation Bandwidth	Δλ	-----	45	-----	nm	
Forward Voltage	VF	1.7	2.0	2.4	V	
Reverse Current	IR	-----	-----	10	μA	VR=5V

Notes: Tolerance of Luminous Intensity: ±10%

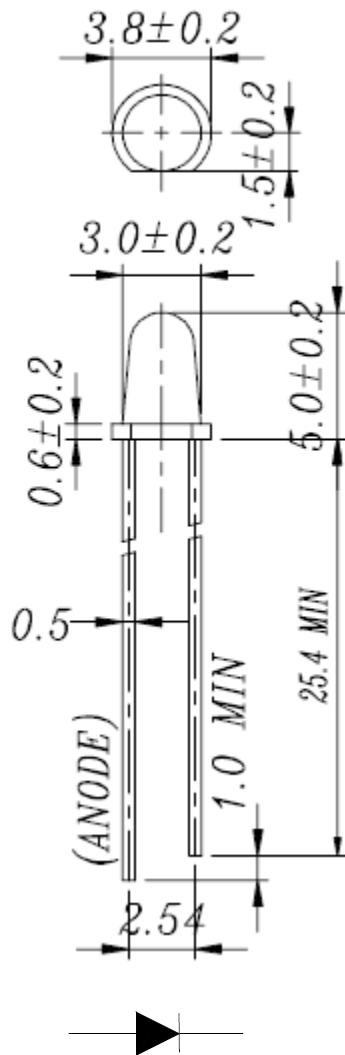
Tolerance of Dominant wavelength: ±1.0nm

Tolerance of Forward Voltage: ±0.1V

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

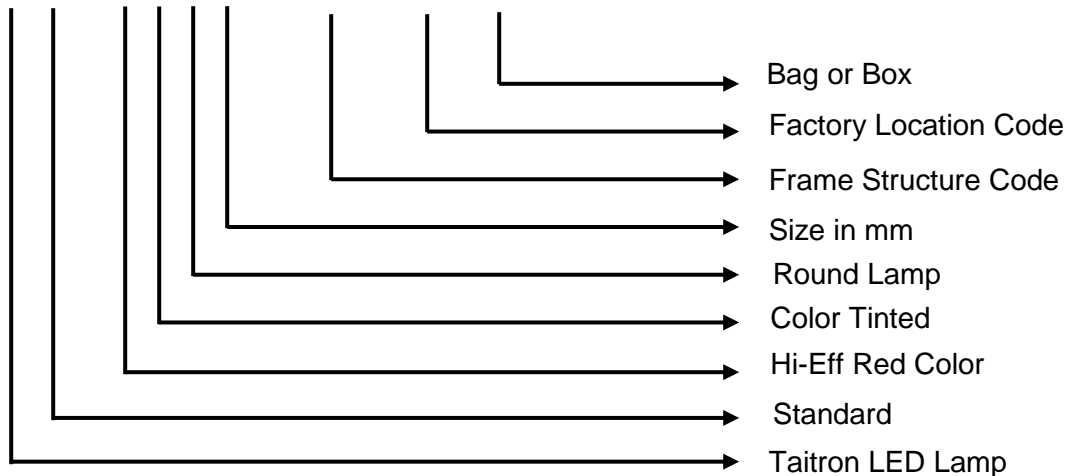
1. 1000 Pcs/1 Bag, 4 Bags/1 Box

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Ordering Information

TL N - R 3 R 3 - 1254 - 92 - B



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