

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

Features

- Popular T-1 diameter package
- High luminous power and can be driven at low current
- 2.54mm lead spacing



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-Y4R3-1254	GaAsP/GaP	Yellow	Color Diffused

3mm Round Small Flange without stand-off LED

TLN-Y4R3-1254

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Value	Unit
Reverse Voltage	VR	5	V
Continuous Forward Current	IF	20	mA
Peak Forward Current (Duty 1/10@1KHZ)	IFP	160	mA
Power Dissipation	Pd	85	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)

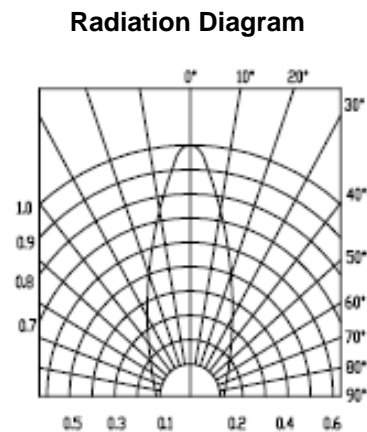
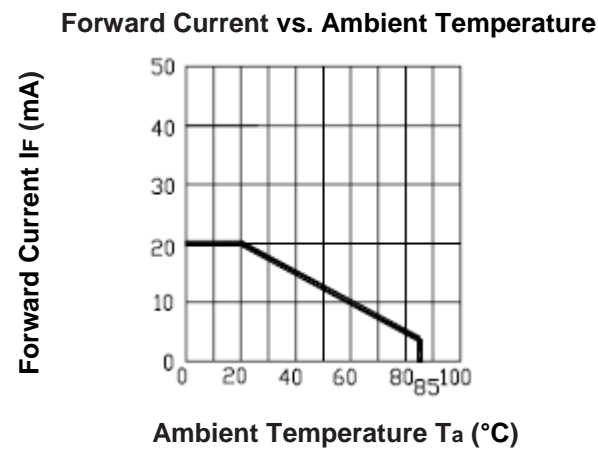
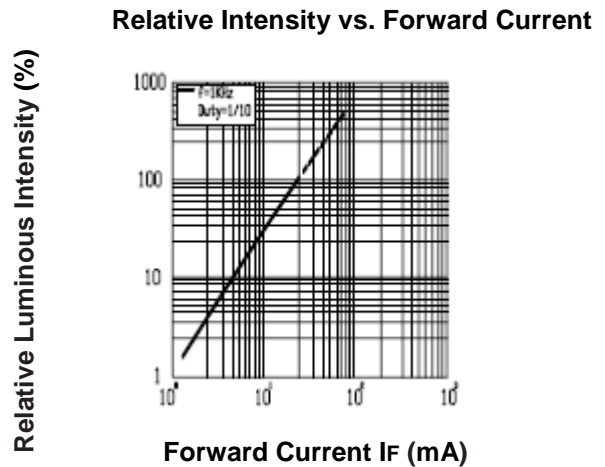
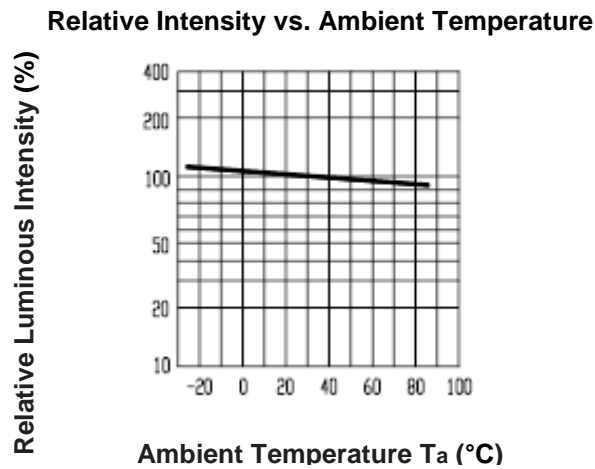
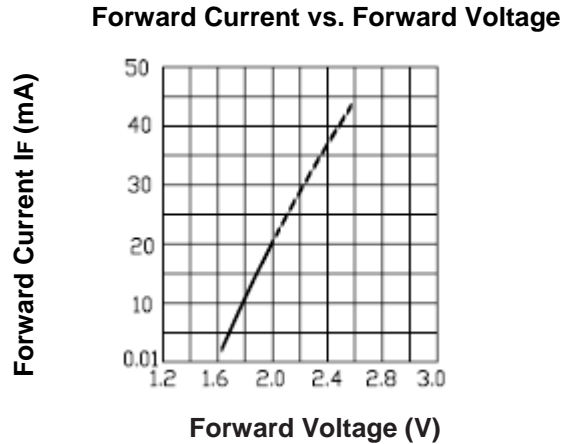
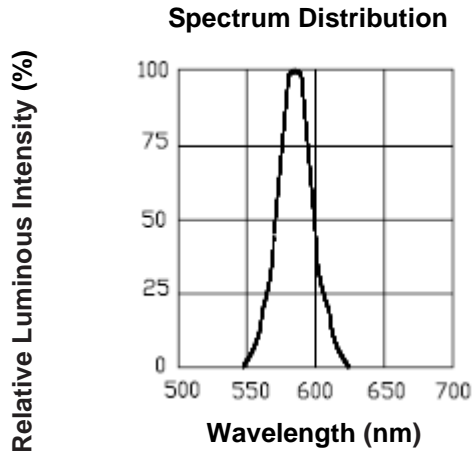
Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	Iv	10	16	-----	mcd	IF =10mA
Viewing Angle	2θ1/2	-----	40	-----	deg	IF =20mA
Peak wavelength	λp	-----	585	-----	nm	
Dominant wavelength	λd	-----	590	-----	nm	
Spectrum Radiation Bandwidth	Δλ	-----	35	-----	nm	
Forward Voltage	VF	1.7	2.0	2.6	V	
Reverse Current	IR	-----	-----	10	μA	VR=5V

Notes: Tolerance of Luminous Intensity: ±10%

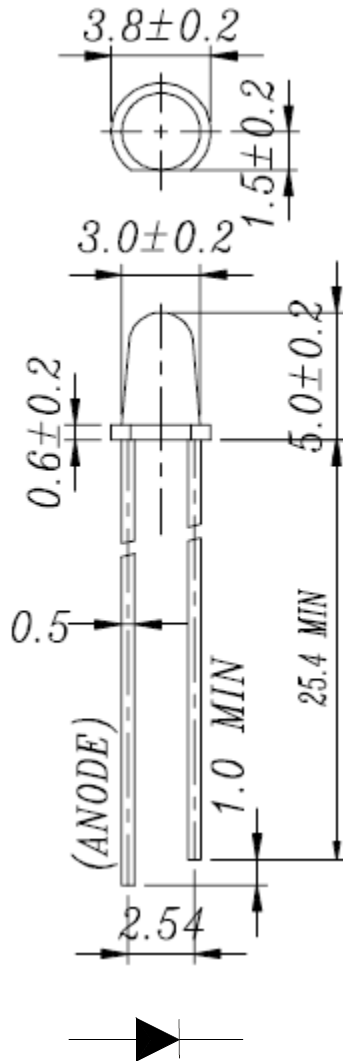
Tolerance of Dominant wavelength: ±1.0nm

Tolerance of Forward Voltage: ±0.1V

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



Package Dimensions (In mm)



Note:

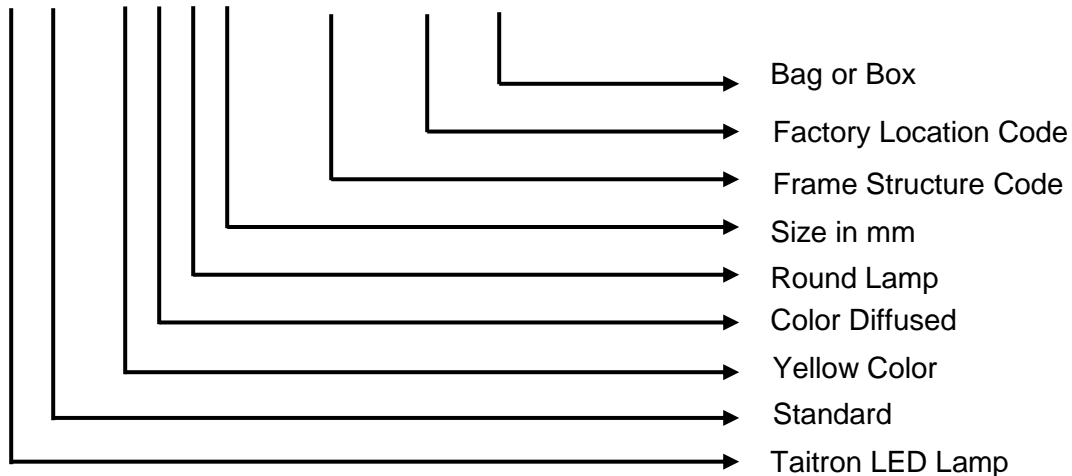
1. All dimensions are in millimeters, and tolerance is 0.25mm without special declared.
2. An epoxy meniscus may extend about 1.5mm down the lead.

Packing Quantity Specification

1. 1000 Pcs/1 Bag

Ordering Information

TL N - Y 4 R 3 - 1254 - 92 - B



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