

3mm (T-1) Round Lamp LED

Features

- Popular T-1 diameter package
- High luminous power
- Can be driven at low current
- 2.54mm lead spacing
- RoHS compliance



T-1

Descriptions

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

Applications

- TV set
- Monitor
- Telephone
- Computer

Device Selection Guide

Part No.	Chip		Lens Color
	Material	Emitted Color	
TLN-R4R3-264	GaAsP/GaP	Hi-Eff Red	Color Diffused

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)

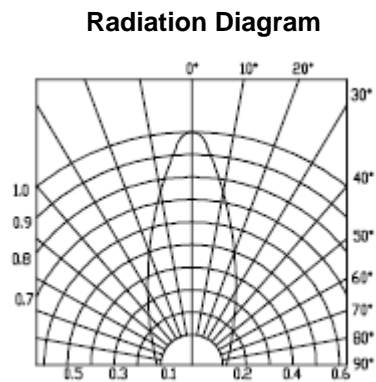
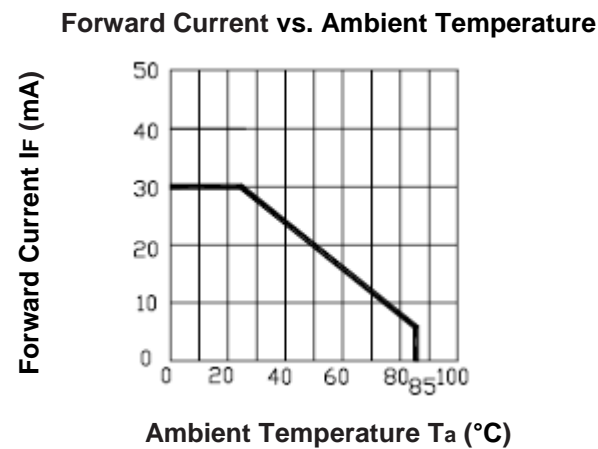
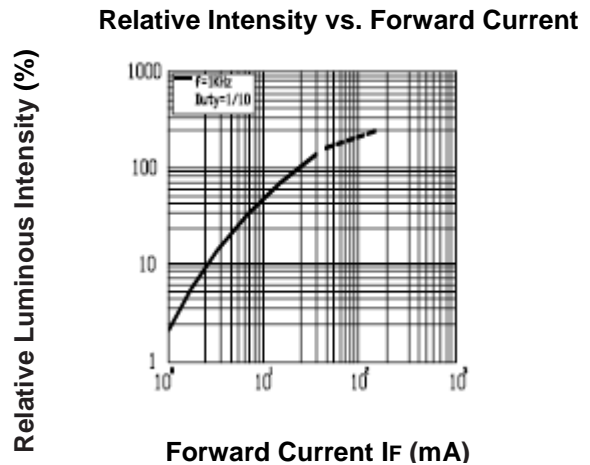
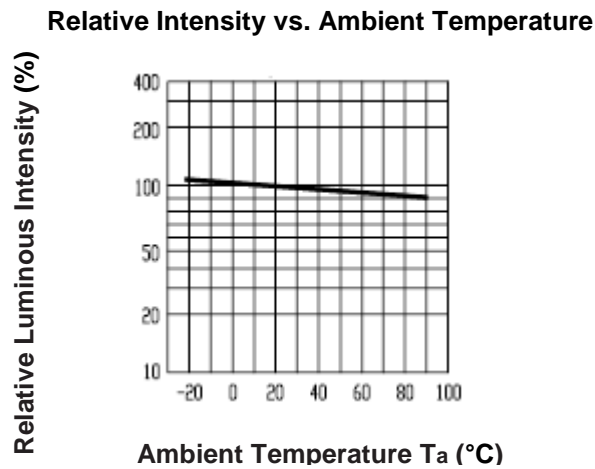
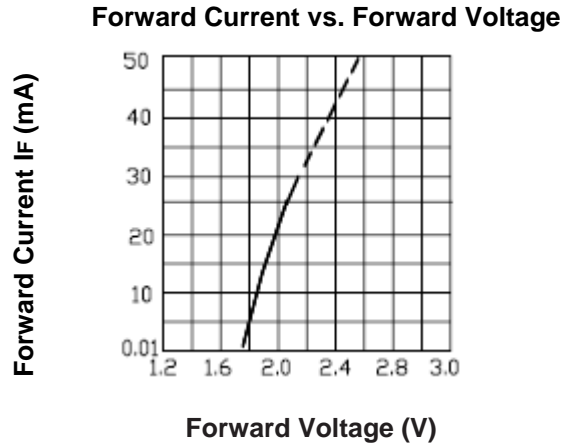
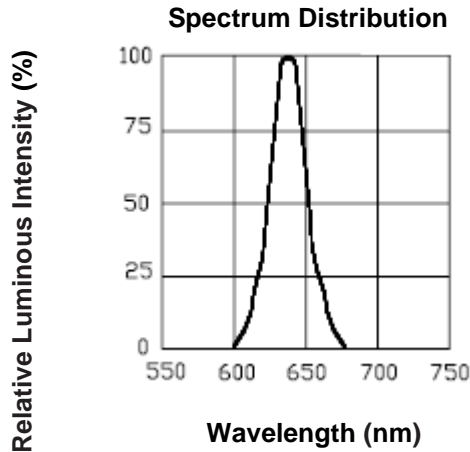
Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	Iv	1.1	4.5	-----	mcd	IF =10mA
Viewing Angle	2θ1/2	-----	40	-----	deg	IF =20mA
Peak wavelength	λp	-----	635	-----	nm	
Dominant wavelength	λd	-----	625	-----	nm	
Spectrum Radiation Bandwidth	Δλ	-----	45	-----	nm	
Forward Voltage	VF	1.7	2.0	2.8	V	
Reverse Current	IR	-----	-----	10	μA	VR=5V

Notes: Tolerance of Luminous Intensity: ±10%

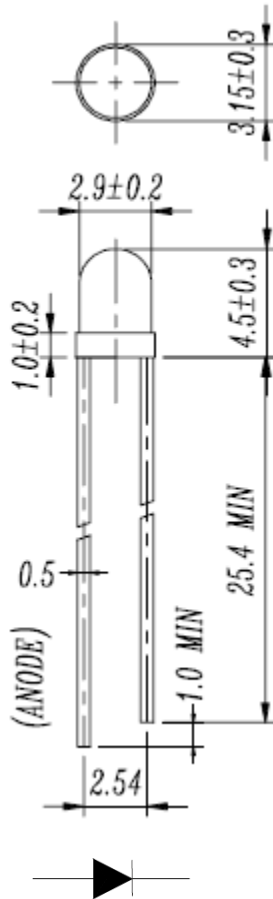
Tolerance of Dominant wavelength: ±1.0nm

Tolerance of Forward Voltage: ±0.1V

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



Package Dimensions (In mm)



Note:

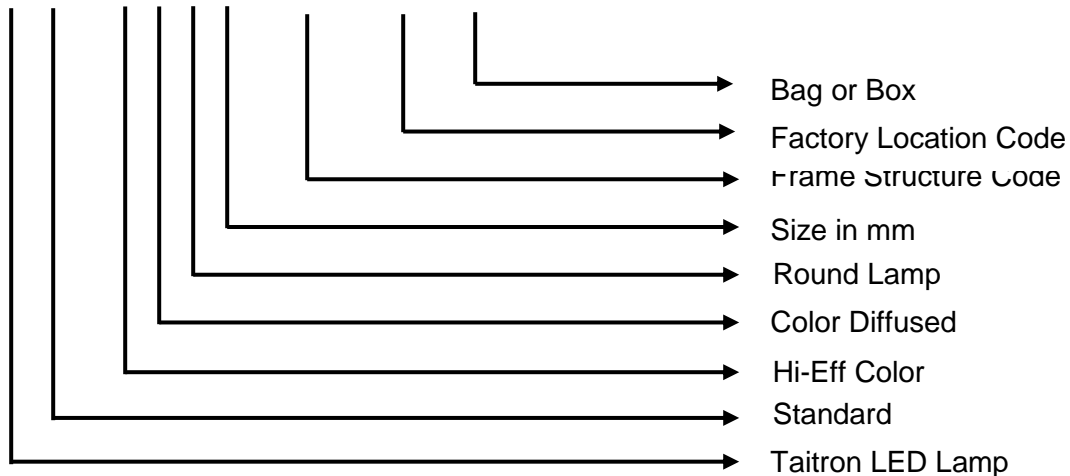
1. All dimensions are in millimeters, and tolerance is 0.25mm without special declared.
2. An epoxy meniscus may extend about 1.5mm down the lead.

Packing Quantity Specification

Packing Type	PCS per Bag	PCS Per Inner Box	PCS Per Carton
Bulk	1,000	4,000	40,000

Ordering Information

TL N - R 4 R 3 - 264 - 92 - B



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