

3mm Round 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-H4R3-2643T1	GaP	Bright Red	Color Diffused

3mm Round LED

TLN-H4R3-2643T1

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Value	Unit
Reverse Voltage	VR	5	V
Continuous Forward Current	IF	15	mA
Peak Forward Current (Duty 1/10@1KHZ)	IFP	50	mA
Power Dissipation	Pd	45	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

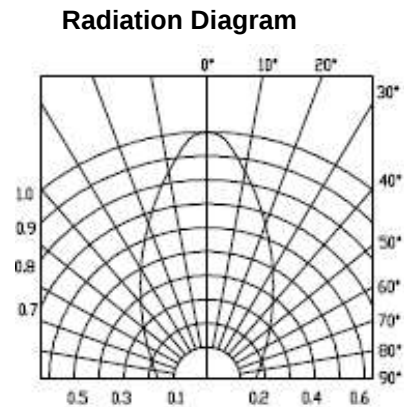
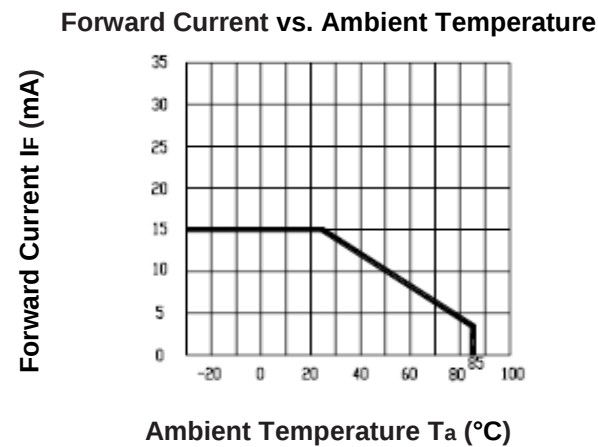
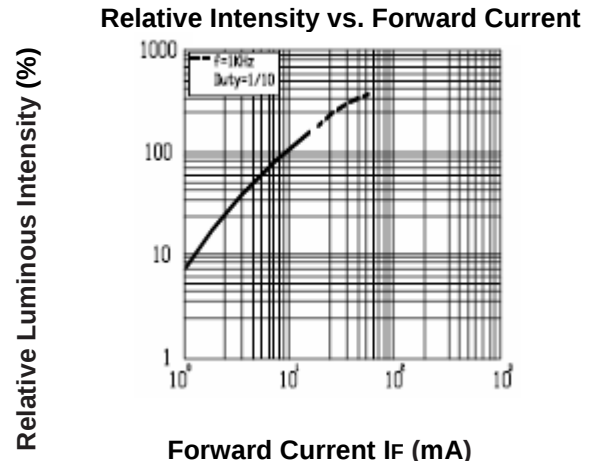
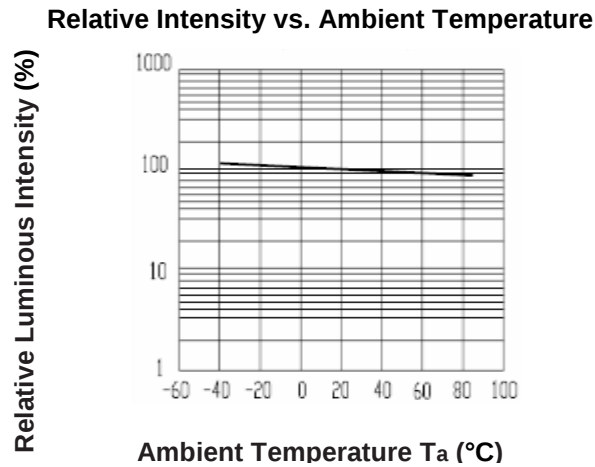
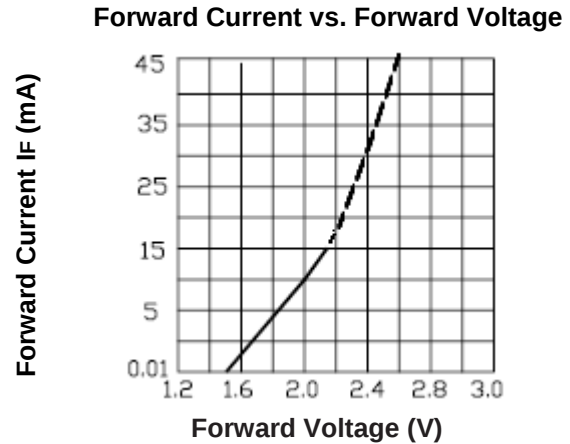
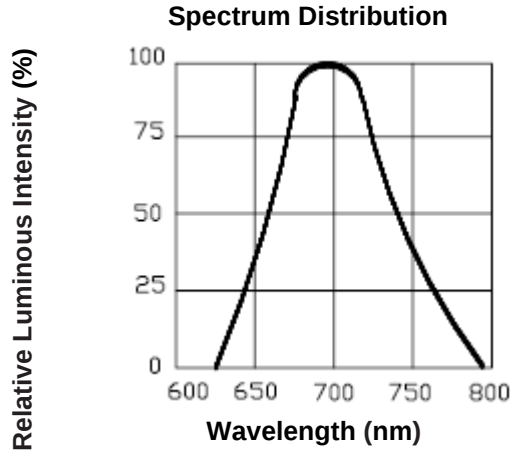
Electro-Optical Characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	Iv	0.5	1.0	-----	mcd	IF =10mA
Viewing Angle	2θ1/2	-----	60	-----	deg	
Peak wavelength	λp	-----	697	-----	nm	
Dominant wavelength	λd	-----	650	-----	nm	
Spectrum Radiation Bandwidth	Δλ	-----	90	-----	nm	
Forward Voltage	VF	1.5	2.0	2.6	V	VR=5V
Reverse Current	IR	-----	-----	10	μA	

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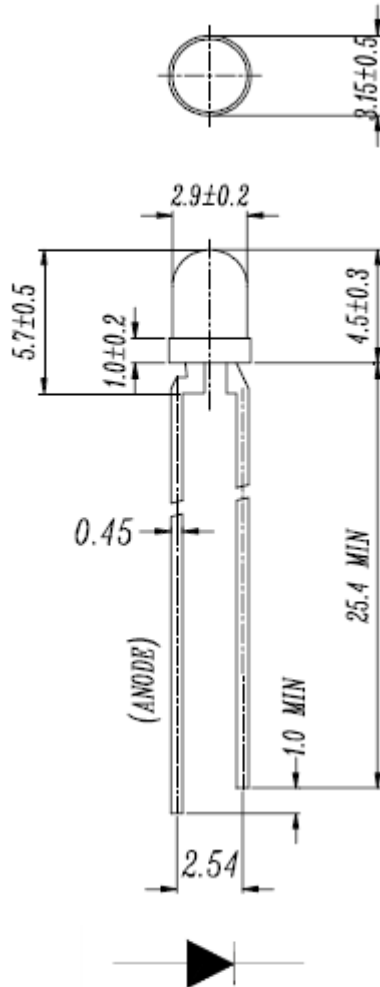
Typical Electro-Optical Characteristics Curves ($T_a=25^{\circ}\text{C}$)



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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.

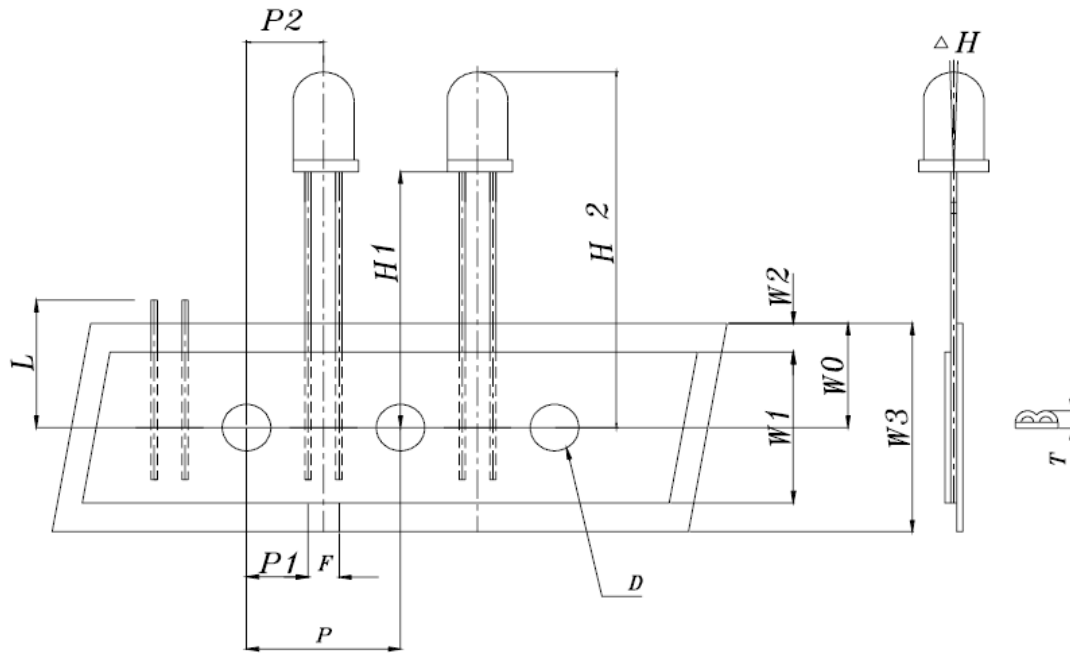
Packing Quantity Specification

Packing Type	PCS per Reel
Tape & Reel	1,000

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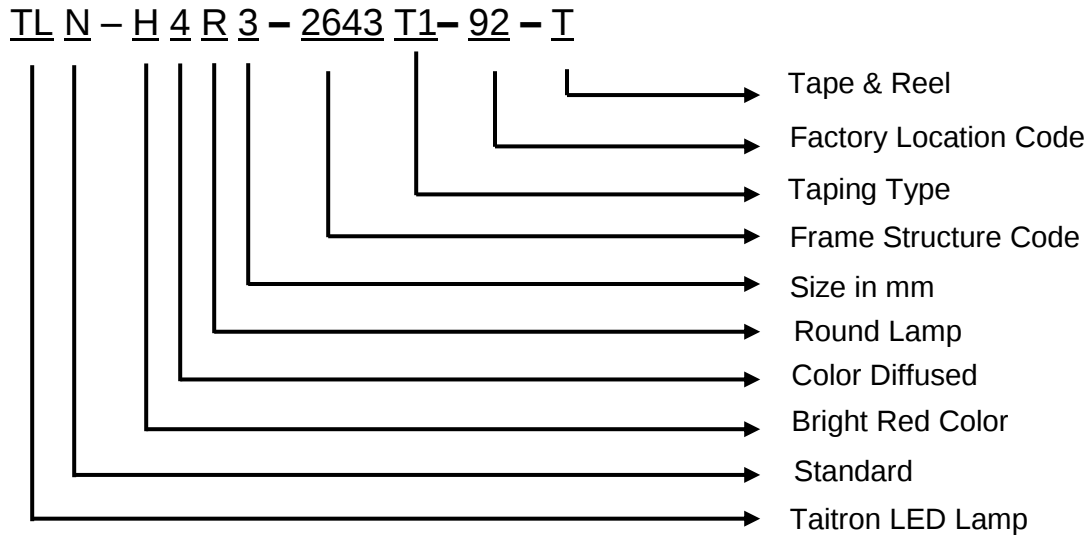
TLN-H4R3-2643T1

Taping Dimensions



Symbol Items	Symbol	Specifications		
		Avg.		Tolerance
		mm	Inch	(mm)
Tape Feed Hole Diameter	D	4.0	0.157	±0.2
Component Lead Pitch	F	2.54	0.100	+0.8/-0.2
Front-to-Rear Deflection	ΔH	0°	0	±5°
Feed Hole to Button of Component	H1	18.50	0.728	±1.0
Feed Hole to Overall Component Height	H2	27.10	1.067	±1.0
Lead Length after Component Removal	L	11.00	0.433	MAX
Feed Hole Pitch	P	12.70	0.500	±0.3
Lead Location	P1	5.08	0.200	±0.7
Center of Component Location	P2	6.35	0.250	±1.2
Overall Taped Package Thickness	T	1.42	0.056	MAX
Feed Hole Location	W0	9.00	0.354	±0.5
Adhesive Tape Width	W1	13.00	0.512	±0.5
Adhesive Tape Position	W2	2.00	0.079	MAX
Tape Width	W3	18.00	0.709	±0.75

Ordering Information



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