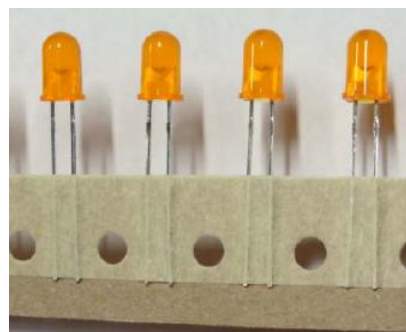


5mm Round LED for Taping (T-1 3/4)

Features

- Long life feature and low power consumption.
- High emitting efficiency.
- Reel package simplifies handling and testing.
- RoHS compliance



T-1 3/4



Descriptions

- This lamp is made with GaAsP, which emit orange light.
- Automatically insertable with radial lead insertion.

Applications

- Audio equipment, monitor and sign board.
- Computer peripheral, air condition and home appliance.
- Satellite receiver and burglar alarm.
- Stop light.

Device Selection Guide

Part No.	Chip		Lens Color
	Material	Emitted Color	
TLN-O4R5-1383T1	GaAsP	Orange	Color Diffused

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Value	Unit
Reverse Voltage	VR	5	V
Forward Current	IF	25	mA
Peak Forward Current (Duty 1/10@1KHz)	IFP	160	mA
Power Dissipation	Pd	60	mW
Electrostatic Discharge	ESD	2000	V
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)

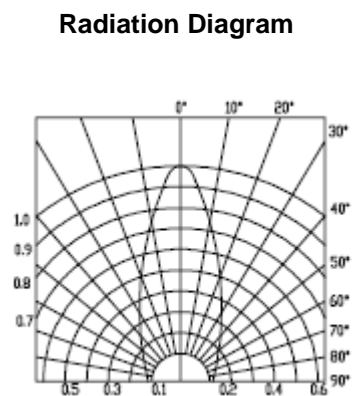
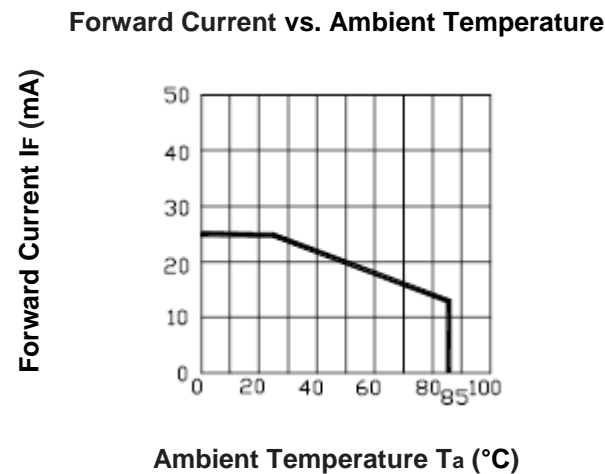
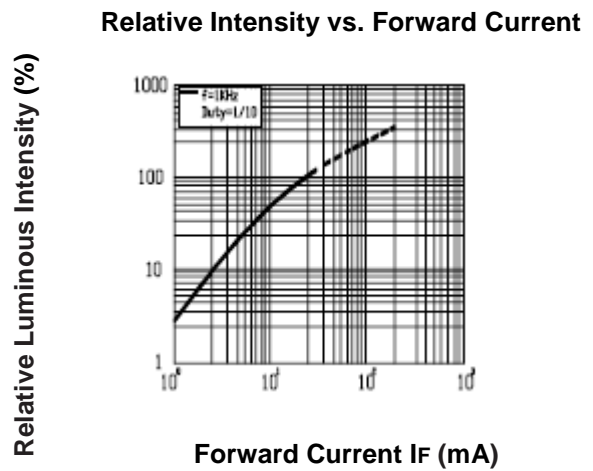
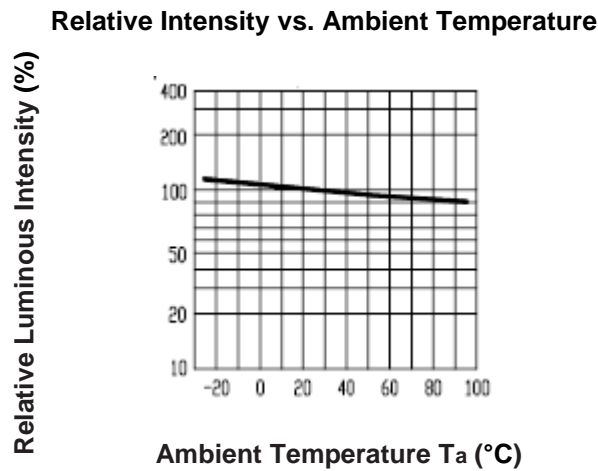
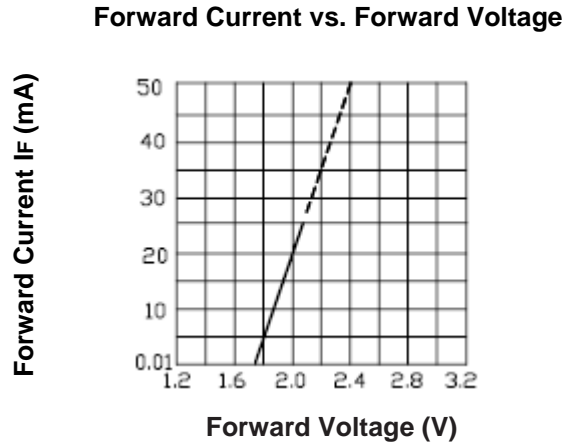
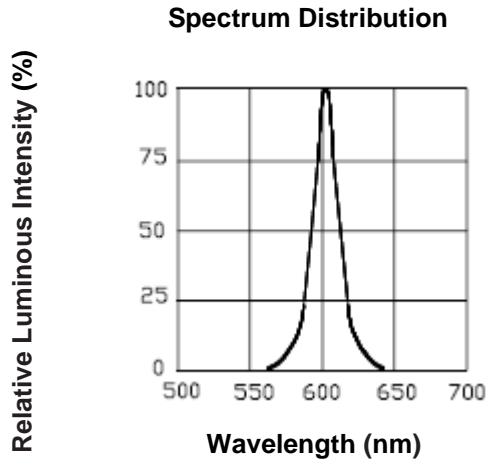
Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	Iv	25	50	-----	mcd	IF =10mA
Viewing Angle	2θ1/2	-----	40	-----	deg	IF =20mA
Dominant wavelength	λd	-----	605	-----	nm	
Spectrum Radiation Bandwidth	Δλ	-----	15	-----	nm	
Forward Voltage	VF	1.7	2.0	2.4	V	
Reverse Current	IR	-----	-----	10	μA	VR=5V

Notes: Tolerance of Luminous Intensity: ±10%

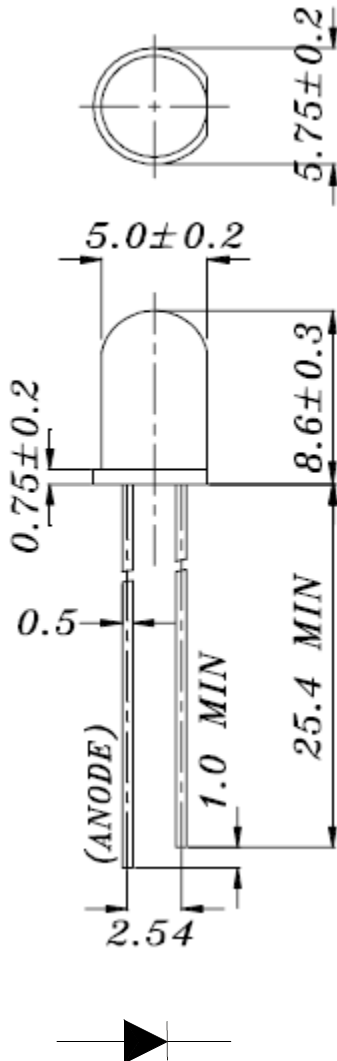
Tolerance of Dominant wavelength: ±1.0nm

Tolerance of Forward Voltage: ±0.1V

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



Package Dimensions (In mm)



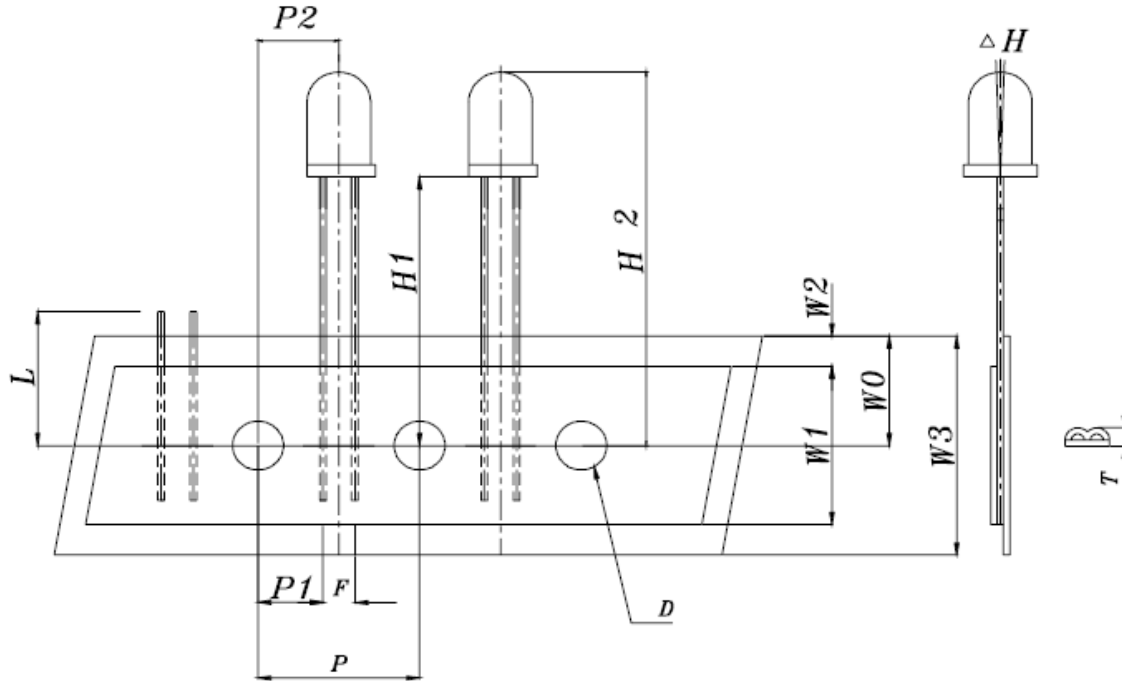
Note:

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

Packing Type	PCS per Reel	PCS Per Inner Box	PCS Per Carton
TR30 Tape & Reel	1,000	2,000	10,000

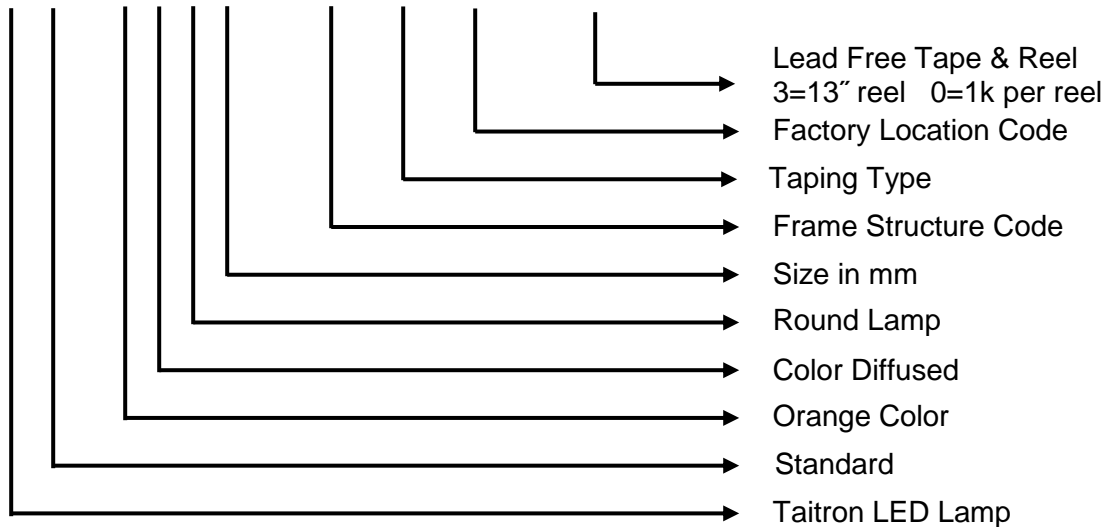
Taping Dimensions



Symbol Items	Sybmol	Specifications		
		Avg.		Tolerance (mm)
		mm	Inch	
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-Read 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

TL N - O 4 R 5 - 1383 T1 - 92 - TR30



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