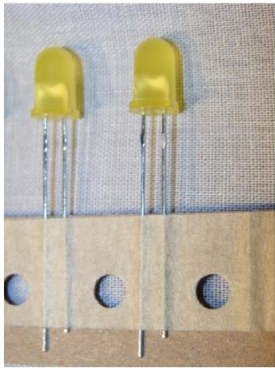


5mm Round LED for Taping (T-1 3/4)

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/GaP diodes, which emit yellow 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-Y4R5-333T12	GaAsP/GaP	Yellow	Color Diffused

Absolute Maximum Ratings ($T_a=25^{\circ}\text{C}$)

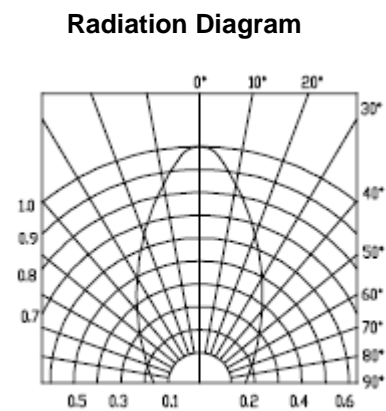
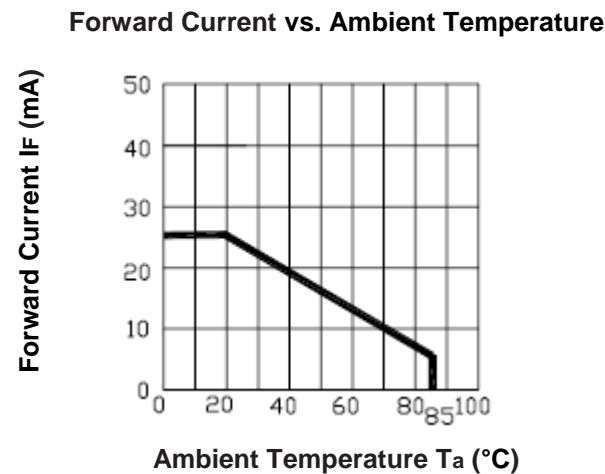
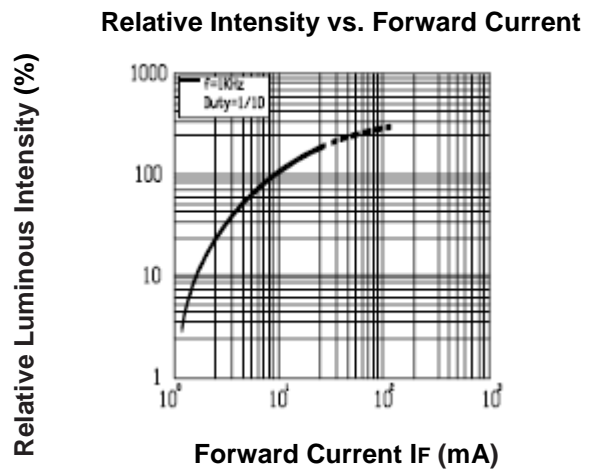
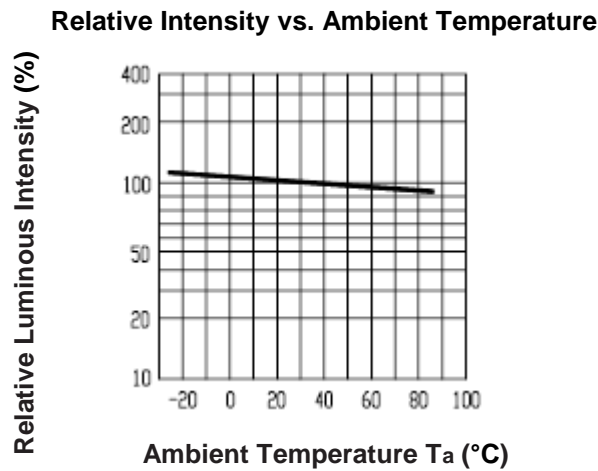
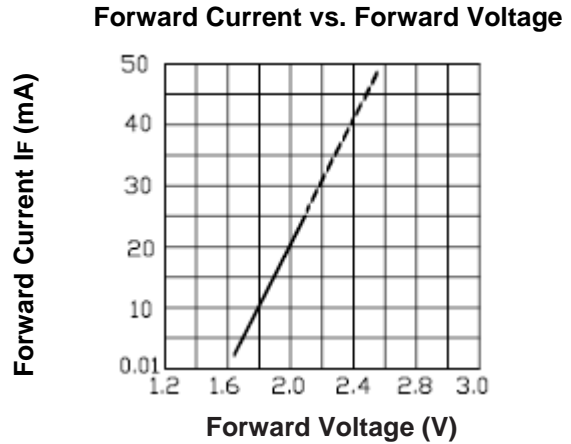
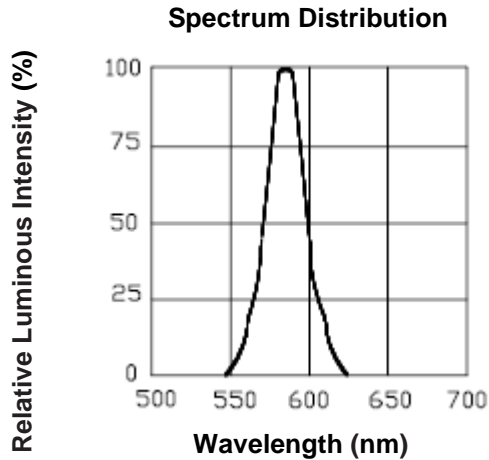
Parameter	Symbol	Value	Unit
Reverse Voltage	VR	5	V
Forward Current	IF	25	mA
Peak Forward Current (Duty 1/10@1KHz)	IFP	160	mA
Power Dissipation	Pd	85	mW
Operating Temperature	Topr	-40 ~ +85	$^{\circ}\text{C}$
Storage Temperature	Tstg	-40 ~ +100	$^{\circ}\text{C}$
Soldering Temperature (Note.1)	Tsol	260 \pm 5	$^{\circ}\text{C}$

Note 1:Soldering time \leq 5 seconds**Electro-Optical Characteristics** ($T_a=25^{\circ}\text{C}$)

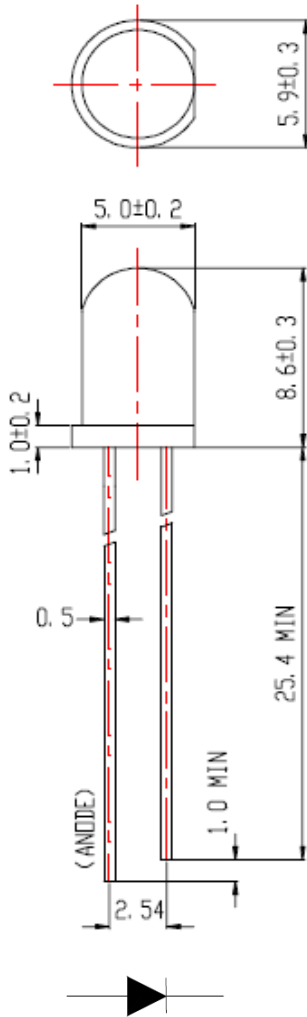
Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	Iv	2	10	-----	mcd	IF =10mA
Viewing Angle	2θ1/2	-----	60	-----	deg	IF =20mA
Peak wavelength	λ_p	-----	585	-----	nm	
Dominant wavelength	λ_d	-----	590	-----	nm	
Spectrum Radiation Bandwidth	$\Delta\lambda$	-----	35	-----	nm	
Forward Voltage	VF	1.7	2.0	2.4	V	
Reverse Current	IR	-----	-----	10	μA	VR=5V

Notes: Tolerance of Luminous Intensity: $\pm 10\%$ Tolerance of Dominant wavelength: $\pm 1.0\text{nm}$ Tolerance of Forward Voltage: $\pm 0.1\text{V}$

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



Package Dimensions (In mm)



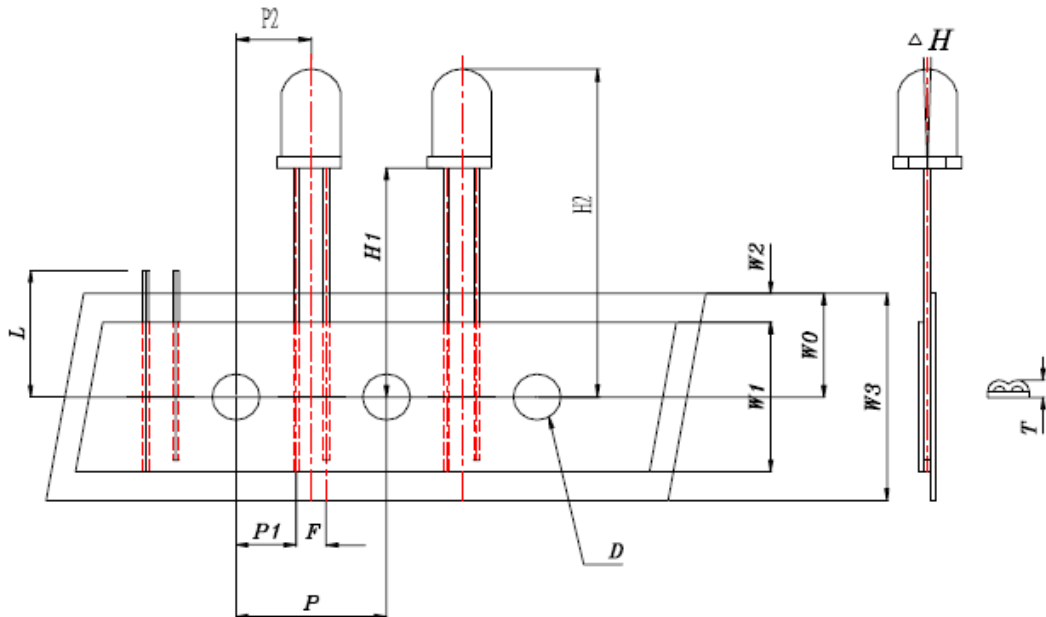
Note:

1. All dimensions are in millimeters, and tolerance is 0.25mm except being specified.
2. Lead spacing is measured where the lead emerge from the package.
3. Protruded resin under flange is 1.5mm Max. LED.

Packing Quantity Specification

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

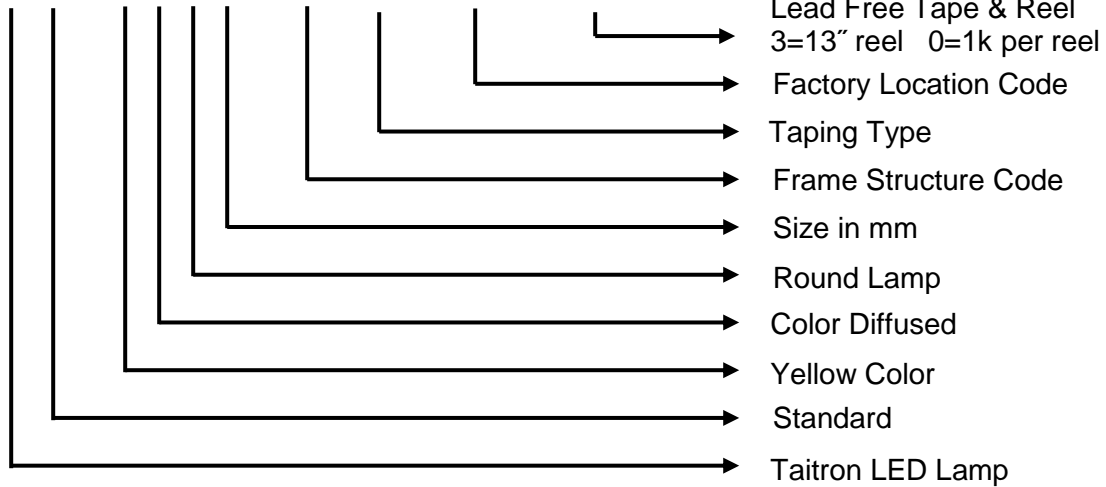
Taping Dimensions



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	20.40	0.803	±1.0
Feed Hole to Ocerall Component Height	H2	29.00	1.142	±1.0
Lead Length after Component Removall	L	11.00	0.433	MAX
Feed Hole Pitch	P	12.70	0.500	±0.3
Lead Location	P1	5.10	0.201	±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	4.00	0.157	MAX
Tape Width	W3	18.00	0.709	±0.75

Ordering Information

TL N - Y 4 R 5 - 333 T12 - 92 - TR30



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