

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

Features

- Popular T-1 3/4 diameter package
- Choice of various viewing angles
- Reliable and robust
- RoHS compliance



T-1 3/4



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	
TLH-X4R5-3332A3	AllnGaP	Super Yellow	Color Diffused

5mm Round LED

TLH-X4R5-3332A3

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Value	Unit
Reverse Voltage	VR	5	V
Continuous Forward Current	IF	25	mA
Peak Forward Current (Note 1)	IFP	60	mA
Power Dissipation	Pd	60	mW
Electrostatic Discharge	ESD	2000	V
Soldering Temperature (Note 2)	Tsol	260 ± 5	°C
Operating Temperature	Topr	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +100	°C

Notes: 1. Pulse Width \leq 1msecond and Duty \leq 1/10.

2. Soldering time \leq 5 seconds

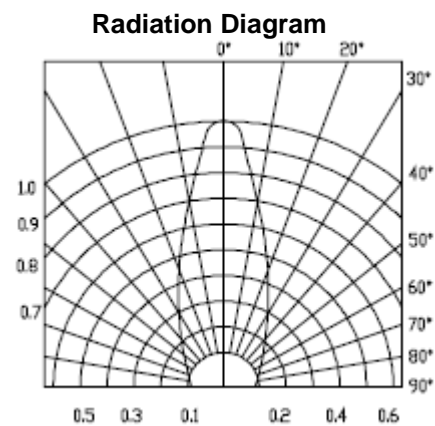
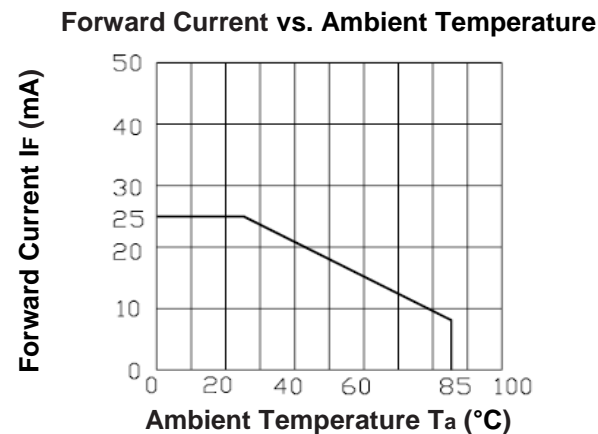
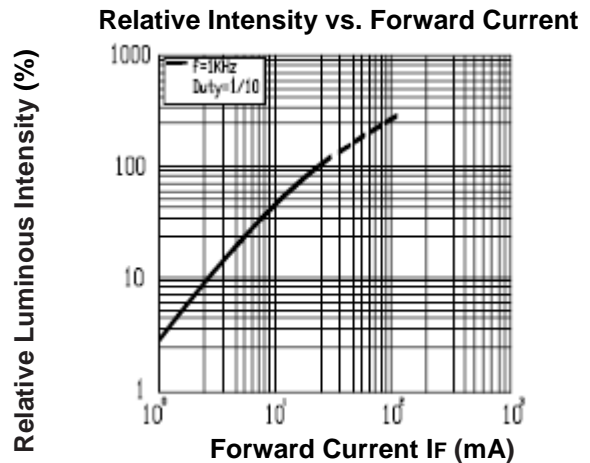
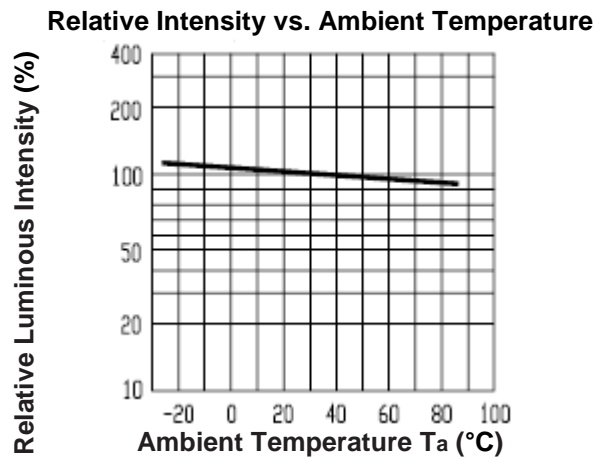
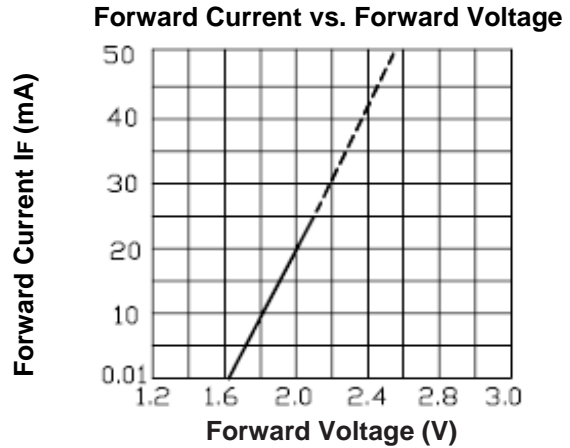
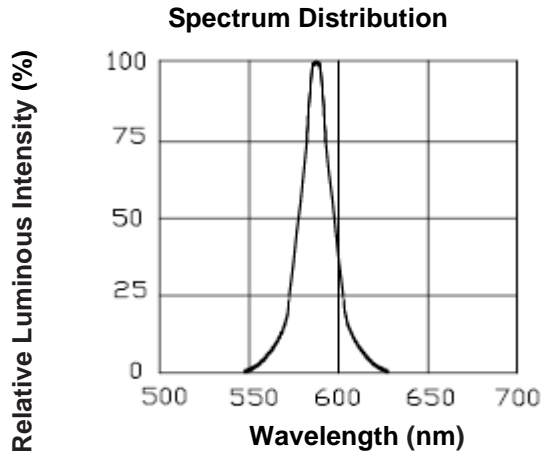
Electro-Optical Characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	Iv	160	320	-----	mcd	IF =20mA
Viewing Angle	2θ1/2	-----	35	-----	deg	
Peak wavelength	λ_p	-----	591	-----	nm	
Dominant wavelength	λ_d	-----	589	-----	nm	
Spectrum Radiation Bandwidth	$\Delta\lambda$	-----	15	-----	nm	
Forward Voltage	VF	-----	2.0	2.4	V	
Reverse Current	IR	-----	-----	10	μ A	VR=5V

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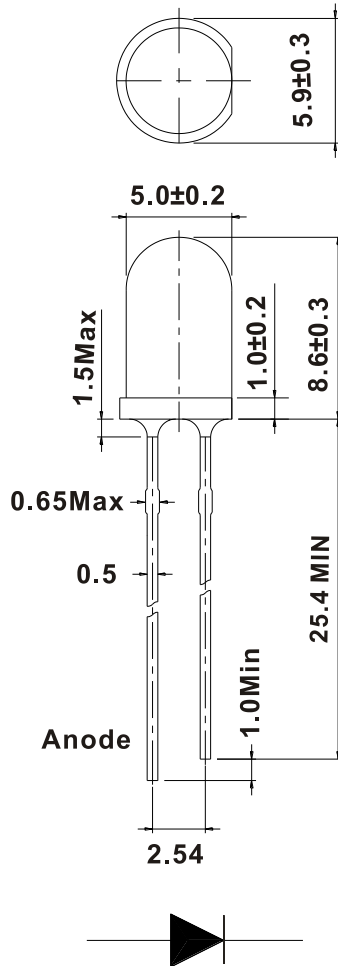
Typical Electro-Optical Characteristics Curves (Ta=25°C)



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Package Dimensions (In mm)



Note:

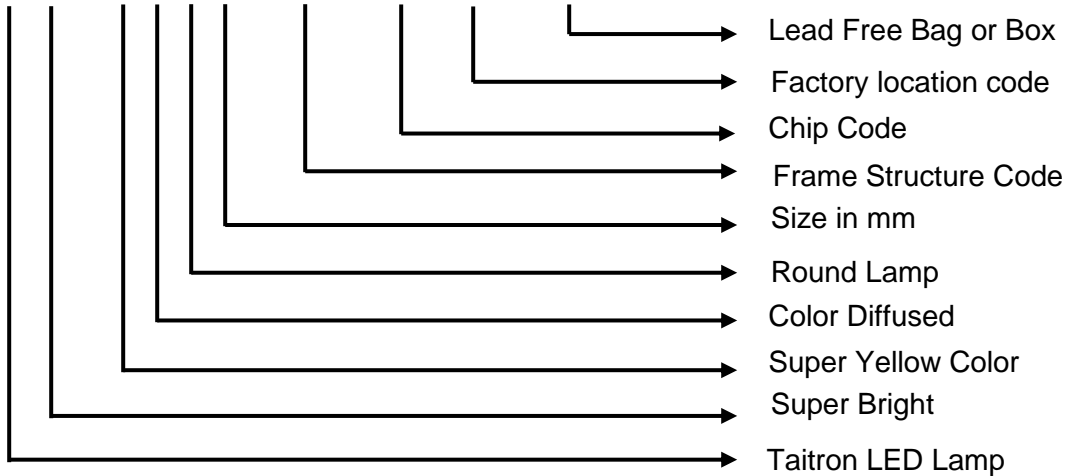
1. All dimensions are in millimeters, and tolerance is 0.25mm without special declared.
2. An epoxy meniscus may extend about 1.5mm down the lead.

Packing Quantity Specification

Packing Type	PCS per Bulk	PCS Per Inner Box	PCS Per Carton
Bulk	500	2,500	25,000

Ordering Information

TL H - X 4 R 5 - 3332 A3 - 92 - BL



Label Explanation

CAT: Luminous Intensity Rank

HUE: Dom. Wavelength Rank

REF: Forward Voltage Rank

CPN :
P/N: XXXXXXXXXXXX

XX-XXXXXXXXX CAT: Bin Iv
QTY: XXXX HUE: Bin λd
 REF: Bin VF
LOT NO: XXXXXXXXXXXX


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