

## 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-D1R5-3332A3	AllnGaP	Super Deep Red	Water Clear

# 5mm Round LED

## TLH-D1R5-3332A3

### Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Value	Unit
Reverse Voltage	<b>VR</b>	5	V
Forward Current	<b>IF</b>	25	mA
Peak Forward Current (Duty 1/10@1KHz)	<b>IFP</b>	160	mA
Power Dissipation	<b>Pd</b>	60	mW
Electrostatic Discharge	<b>ESD</b>	2000	V
Soldering Temperature (Note.1)	<b>Tsol</b>	260 ±5	°C
Operating Temperature	<b>Topr</b>	-40 ~ +85	°C
Storage Temperature	<b>Tstg</b>	-40 ~ +100	°C

**Note 1:**

Soldering time ≤ 5 seconds

### Electro-Optical Characteristics (Ta=25°C)

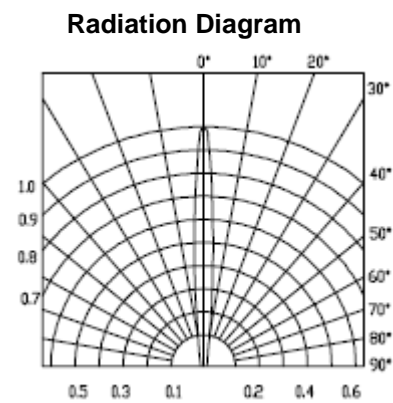
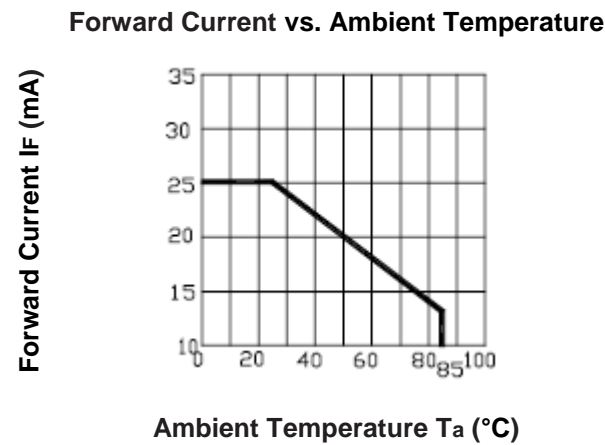
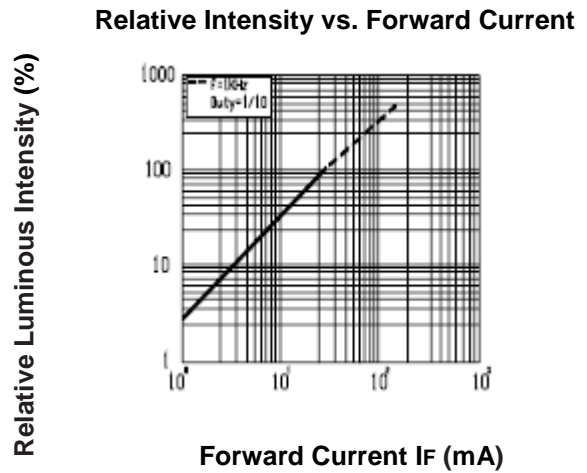
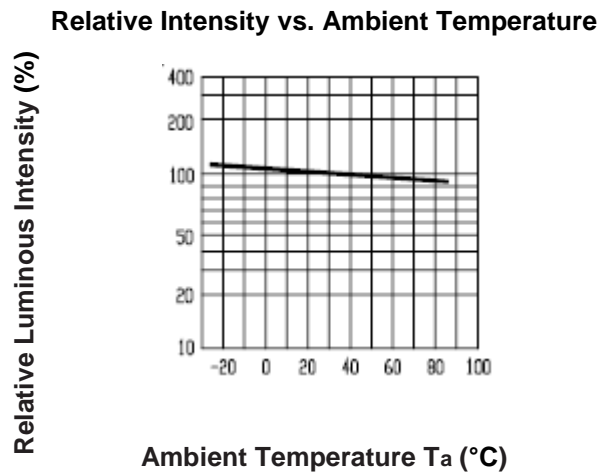
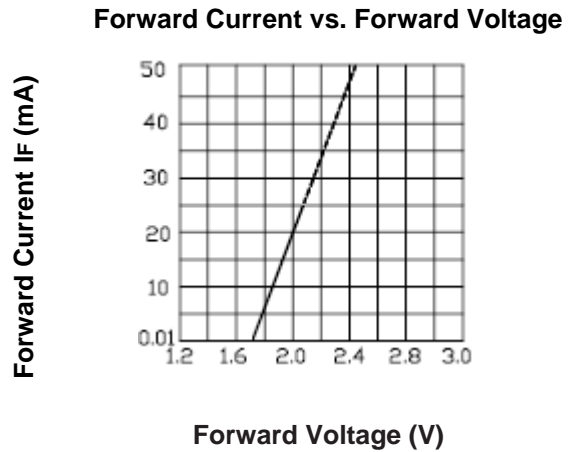
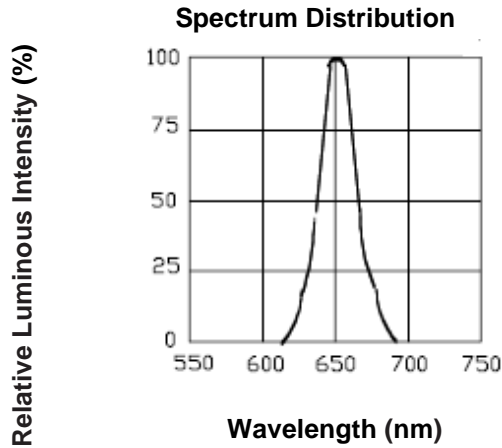
Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	<b>Iv</b>	320	630	-----	mcd	IF =20mA
Viewing Angle	<b>2θ1/2</b>	-----	10	-----	deg	
Peak wavelength	<b>λp</b>	-----	650	-----	nm	
Dominant wavelength	<b>λd</b>	-----	639	-----	nm	
Spectrum Radiation Bandwidth	<b>Δλ</b>	-----	20	-----	nm	
Forward Voltage	<b>VF</b>	-----	2.0	2.4	V	
Reverse Current	<b>IR</b>	-----	-----	10	μA	VR=5V

**Notes:** Tolerance of Luminous Intensity: ±10%  
 Tolerance of Dominant wavelength: ±1.0nm  
 Tolerance of Forward Voltage: ±0.1V

# 5mm Round LED

## TLH-D1R5-3332A3

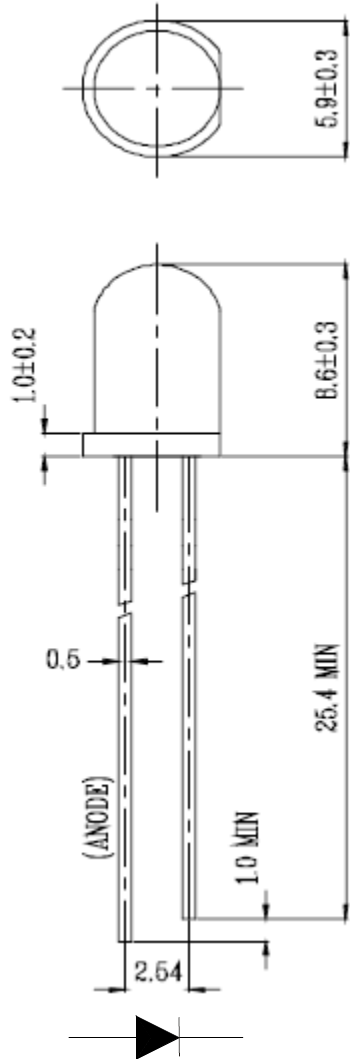
### Typical Electro-Optical Characteristics Curves (Ta=25°C)



# 5mm Round LED

## TLH-D1R5-3332A3

### 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

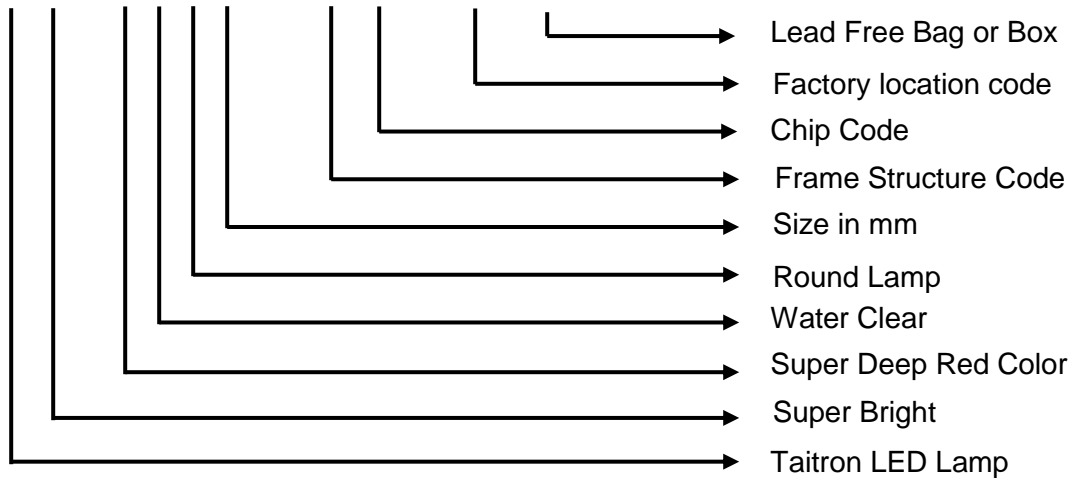
Packing Type	PCS per Bag	PCS Per Inner Box	PCS Per Carton
Bulk	500	2,500	25,000

# 5mm Round LED

## TLH-D1R5-3332A3

### Ordering Information

TL H - D 1 R 5 - 3332 A3 - 92 - BL

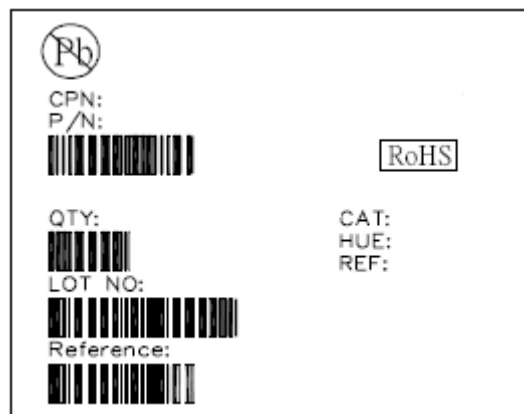


### Label Explanation

CAT: Ranks

HUE: Dominant Wavelength Rank

REF: Reference



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