

**3mm Round LED (T-1) Small Flange with Stand-Off**

**Features**

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



**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	
TLH-F1R3S-2647E2	AllnGaP	Yellowish Green	Water Clear

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## TLH-F1R3S-2647E2

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

Parameter	Symbol	Value	Unit
Reverse Voltage	<b>VR</b>	5	V
Continuous Forward Current	<b>IF</b>	25	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>	70	100	-----	mcd	IF =20mA
Viewing Angle	<b>2θ1/2</b>	-----	40	-----	deg	
Peak wavelength	<b>λp</b>	-----	575	-----	nm	
Dominant wavelength	<b>λd</b>	-----	573	-----	nm	
Spectrum Radiation Bandwidth	<b>Δλ</b>	-----	20	-----	nm	
Forward Voltage	<b>VF</b>	-----	2.0	2.4	V	VR=5V
Reverse Current	<b>IR</b>	-----	-----	10	μA	

**Notes:** Tolerance of Luminous Intensity: ±10%

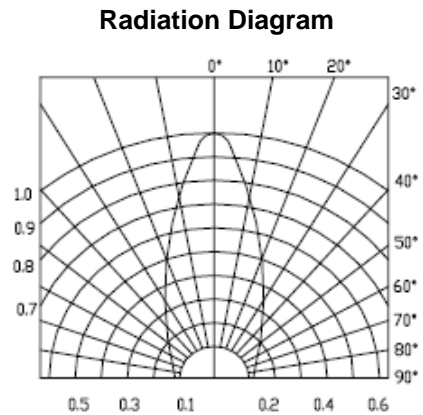
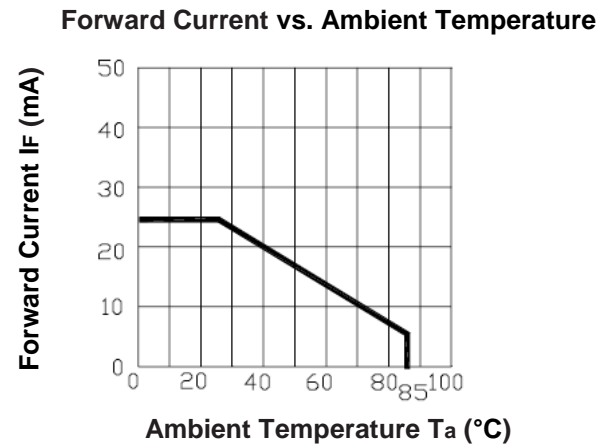
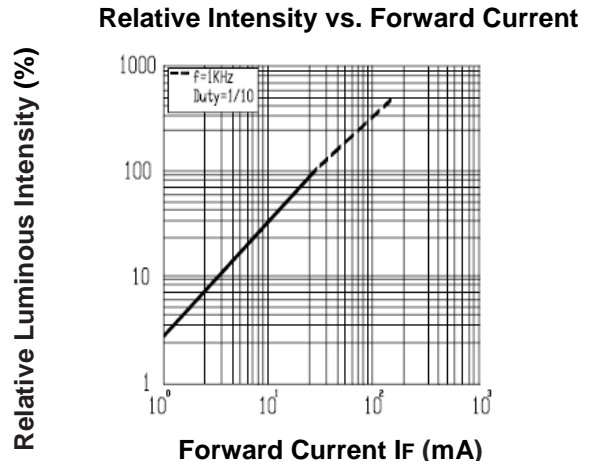
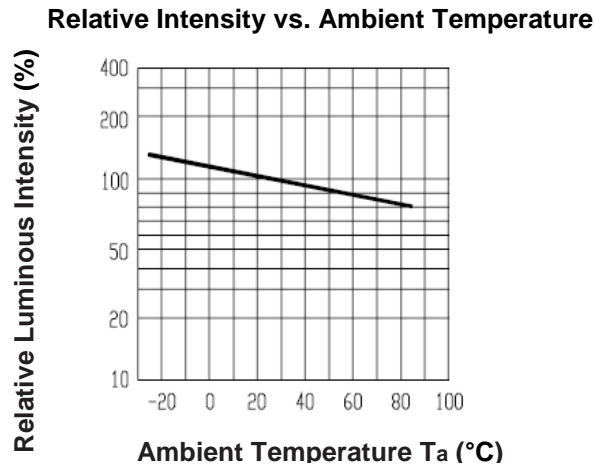
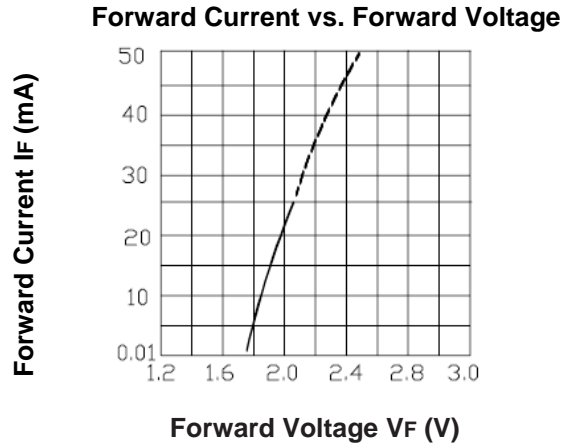
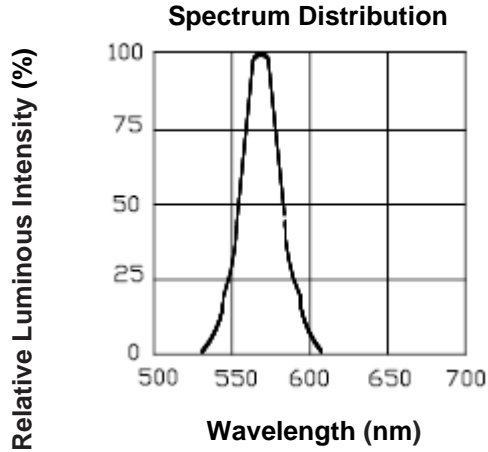
Tolerance of Dominant wavelength: ±1.0nm

Tolerance of Forward Voltage: ±0.1V

# 3mm Round LED Small Flange with Stand-Off

## TLH-F1R3S-2647E2

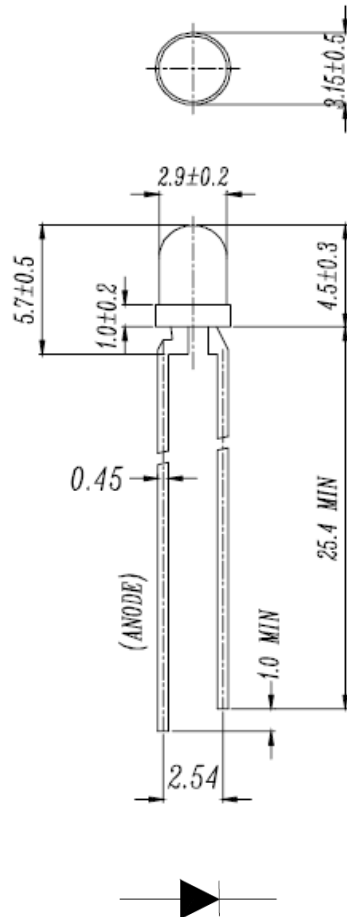
### Typical Electro-Optical Characteristics Curves (Ta=25°C)



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### Package Dimensions (In mm)



#### Note:

1. All dimensions are in millimeters, and tolerance is 0.25mm without special declared.
2. The height of flange must be less than 1.5mm.

### Packing Quantity Specification

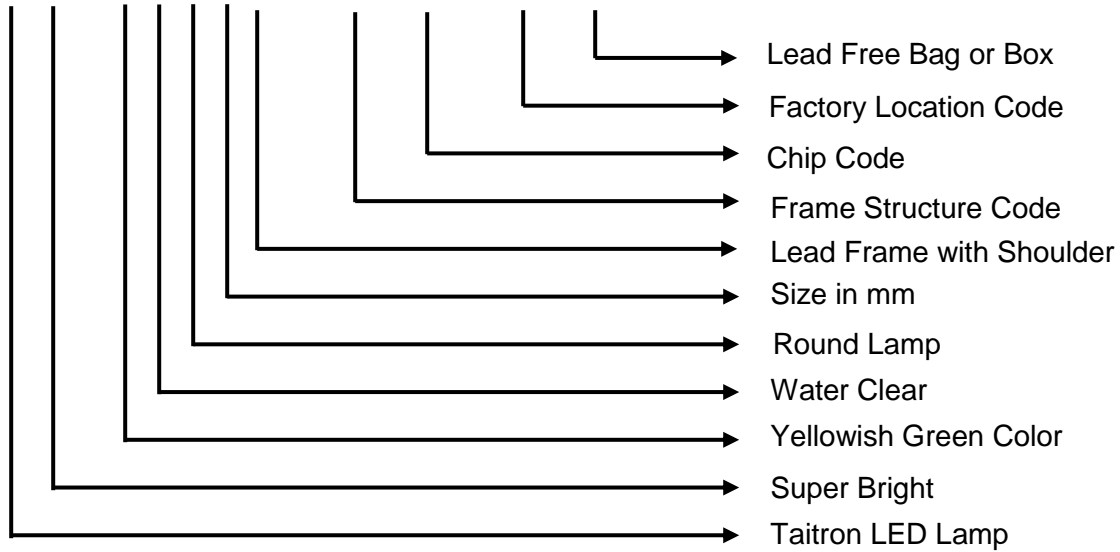
Packing Type	PCS per Bag	PCS Per Inner Box	PCS Per Carton
Bulk	1,000	4,000	40,000

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### Ordering Information

TL H - F 1 R 3 S - 2647 E2 - 92 - BL

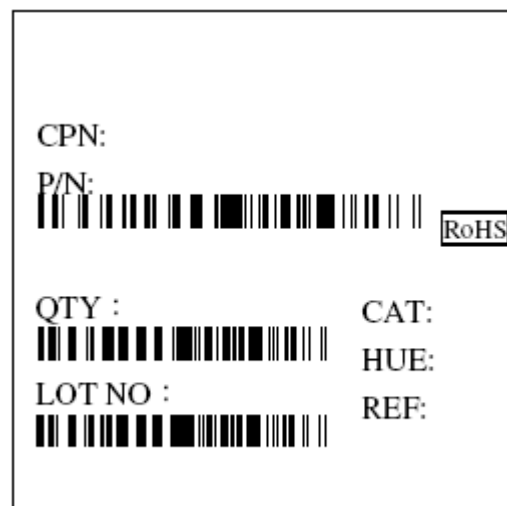


### Label Explanation

CAT: Ranks

HUE: Dominant Wavelength

REF: Reference



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## How to contact us

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