

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

### Features

- Popular T-1 3/4 diameter package
- With chip-resistor built-in
- Can be driven TTL circuit



**T-1 3/4**

### Descriptions

- The series is specially designed with chip-resistor built-in and can apply constant 5 volt respectively without any exterior resistor.

### Applications

- Audio equipment
- Sign board
- Equipment
- Night light

### Device Selection Guide

Part No.	Chip		Lens Color
	Material	Emitted Color	
TLN-G4R5-333V5	GaP	Green	Color Diffused

# 5mm Round LED

## TLN-G4R5-333V5

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

Parameter	Symbol	Value	Unit
Reverse Voltage	<b>VR</b>	5	V
Reverse Current	<b>IR</b>	10	uA
Peak Forward Current (Duty 1/10@1KHZ)	<b>IFP</b>	160	mA
Operating Temperature	<b>Topr</b>	-40 ~ +85	°C
Storage Temperature	<b>Tstg</b>	-40 ~ +100	°C
Soldering Temperature (Note.1)	<b>Tsol</b>	260 ±5	°C

**Note 1:**

Soldering time ≤ 5 seconds

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

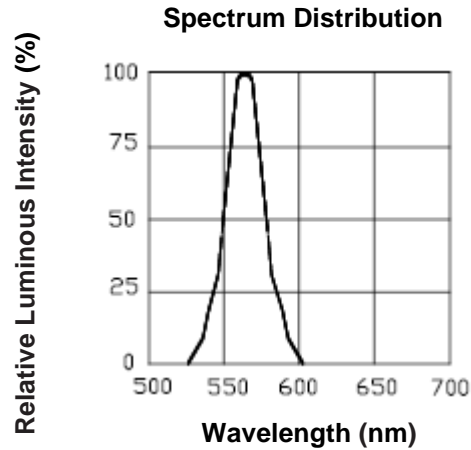
Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	<b>Iv</b>	1.6	4.0	-----	mcd	DC=5 V
Viewing Angle	<b>2θ1/2</b>	-----	45	-----	deg	IF =20mA
Peak wavelength	<b>λp</b>	-----	565	-----	nm	
Dominant Wavelength	<b>λd</b>	-----	570	-----	nm	
Spectrum Radiation Bandwidth	<b>Δλ</b>	-----	30	-----	nm	
Forward Current	<b>IF</b>	-----	10.0	20.0	V	VF=5V
Operating Voltage	<b>VF</b>	-----	5	-----	V	

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

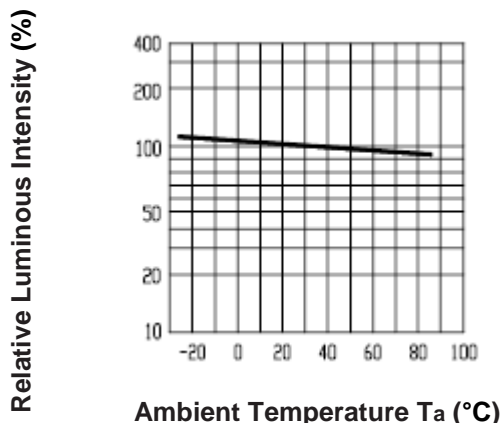
# 5mm Round LED

## TLN-G4R5-333V5

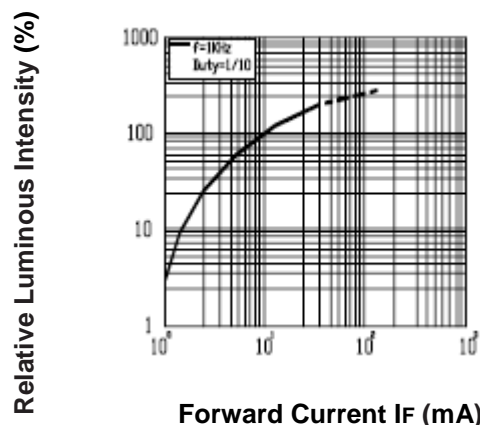
### Typical Electro-Optical Characteristics Curves (Ta=25°C)



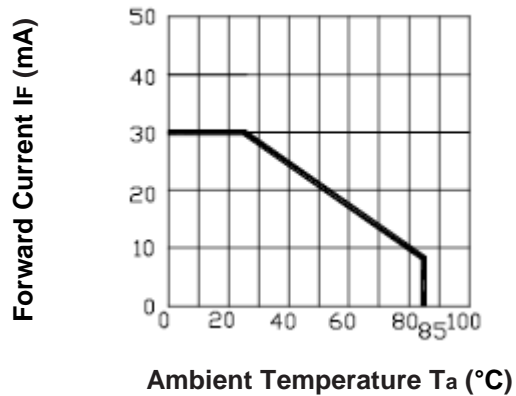
**Relative Intensity vs. Ambient Temperature**



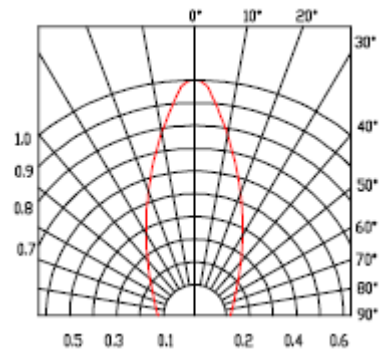
**Relative Intensity vs. Forward Current**



**Forward Current vs. Ambient Temperature**



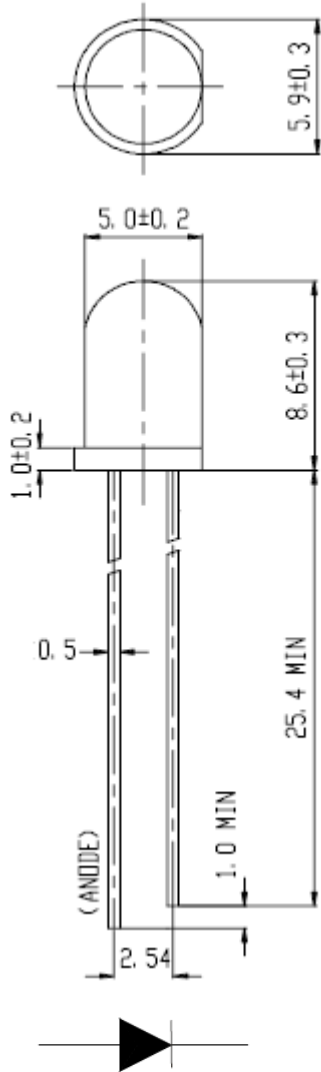
**Radiation Diagram**



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## TLN-G4R5-333V5

### 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

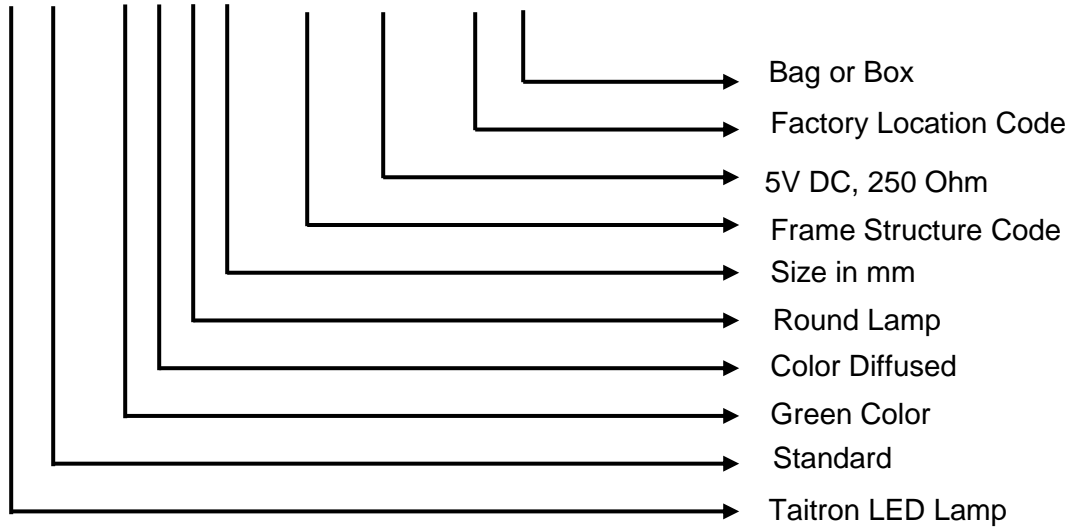
1. 500 Pcs/1 Bag

# 5mm Round LED

## TLN-G4R5-333V5

### Ordering Information

TL N - G 4 R 5 - 333 V5 - 92 - B



### How to contact us

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