

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 12 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-G4R5-333V12	GaP	Green	Color Diffused

5mm Round LED

TLN-G4R5-333V12

Absolute Maximum Ratings (Ta=25°C)

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

Note 1:

Soldering time ≤ 5 seconds

Electro-Optical Characteristics (Ta=25°C)

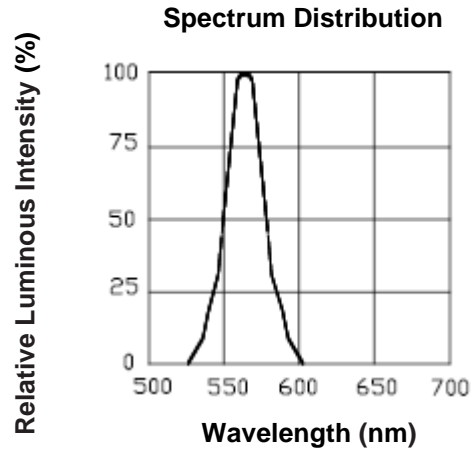
Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	Iv	10	16	-----	mcd	DC=12 V
Viewing Angle	2θ1/2	-----	45	-----	deg	IF =20mA
Peak wavelength	λp	-----	565	-----	nm	
Dominant Wavelength	λd	-----	570	-----	nm	
Spectrum Radiation Bandwidth	Δλ	-----	30	-----	nm	
Forward Current	IF	-----	10.0	20.0	V	VF=12V
Operating Voltage	VF	-----	12	-----	V	

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

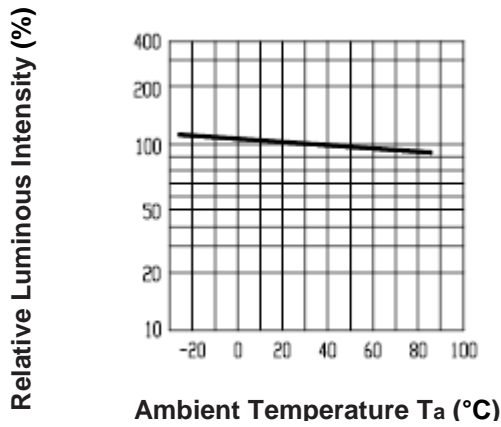
5mm Round LED

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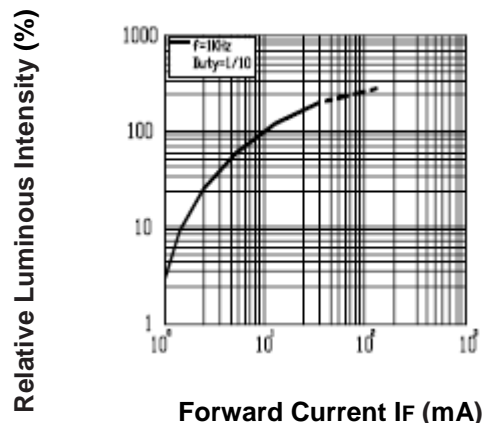
Typical Electro-Optical Characteristics Curves (Ta=25°C)



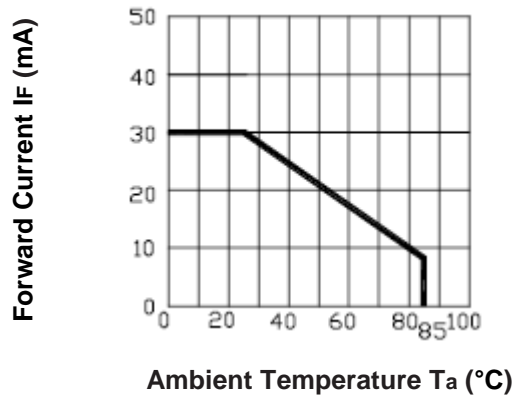
Relative Intensity vs. Ambient Temperature



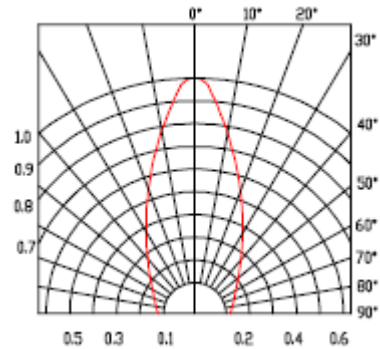
Relative Intensity vs. Forward Current



Forward Current vs. Ambient Temperature



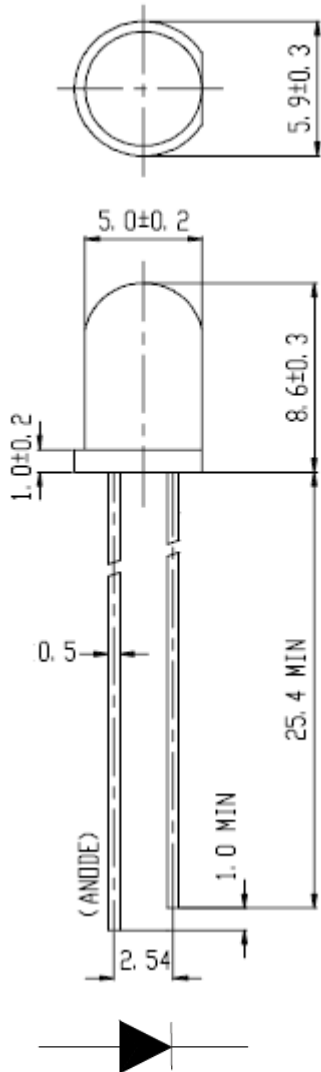
Radiation Diagram



5mm Round LED

TLN-G4R5-333V12

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

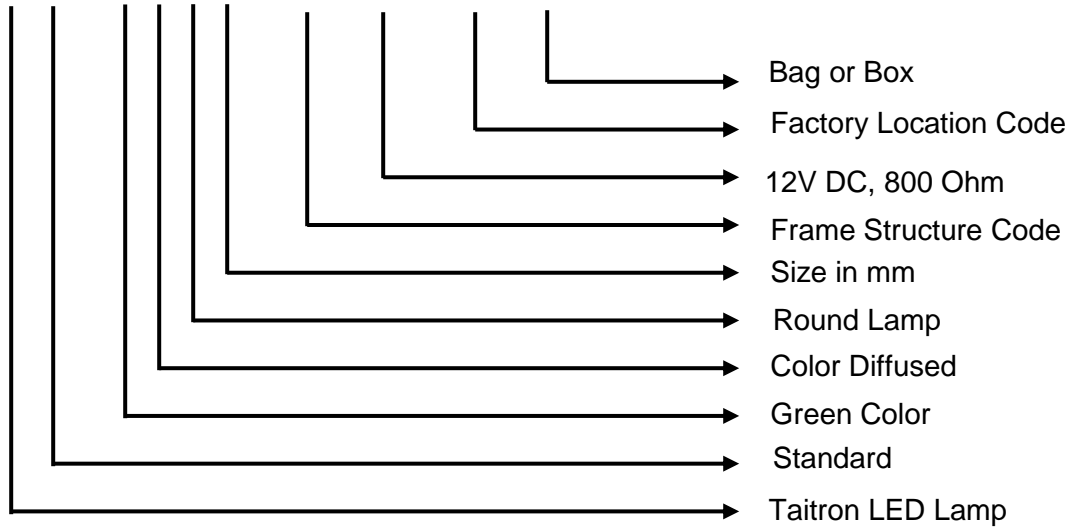
1. 500 Pcs/1 Bag

5mm Round LED

TLN-G4R5-333V12

Ordering Information

TL N - G 4 R 5 - 333 V12 - 92 - B



How to contact us

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