

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-R4R5-333V5	GaAsP/GaP	Hi-Eff Red	Color Diffused

5mm Round LED

TLN-R4R5-333V5

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)

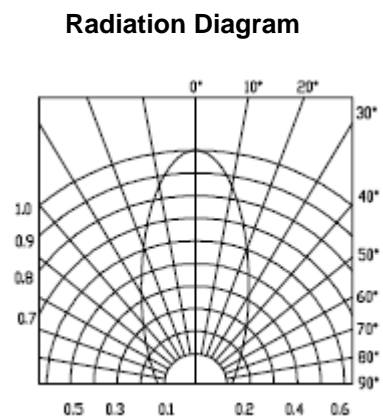
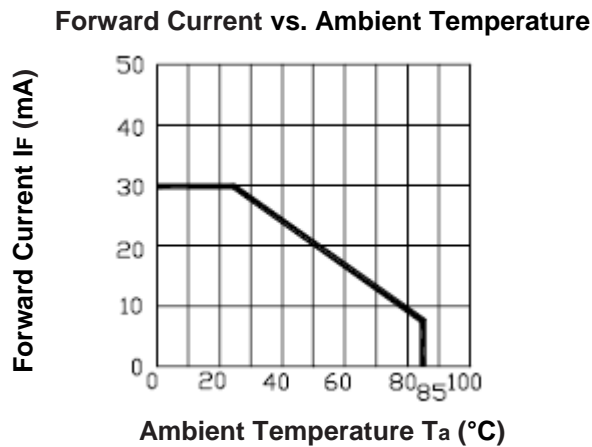
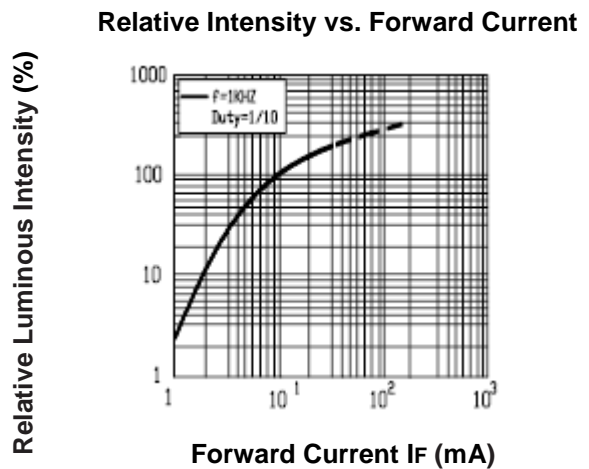
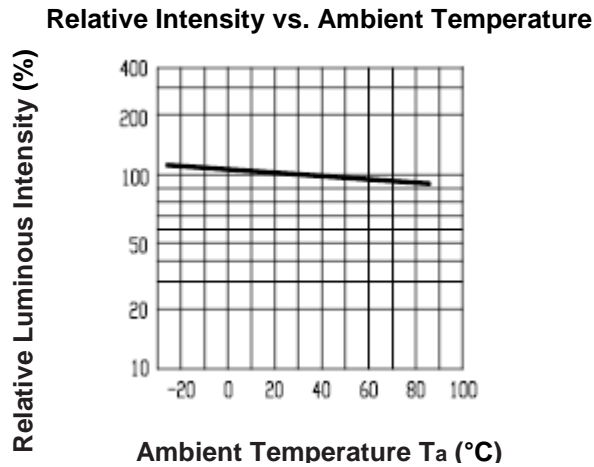
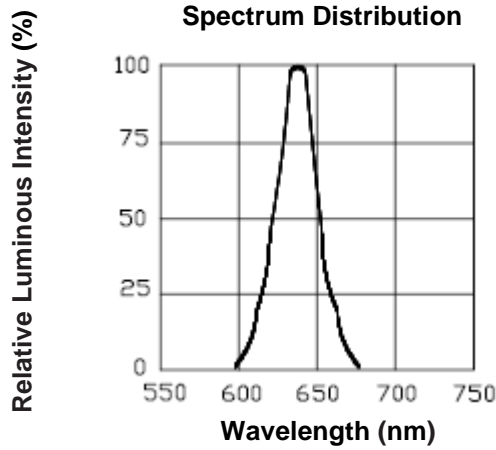
Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	Iv	4.0	8.0	-----	mcd	DC=5 V
Viewing Angle	2θ1/2	-----	50	-----	deg	IF =20mA
Peak wavelength	λp	-----	635	-----	nm	
Dominant Wavelength	λd	-----	625	-----	nm	
Spectrum Radiation Bandwidth	Δλ	-----	45	-----	nm	
Forward Current	IF	-----	7.0	20.0	mA	VF=5V
Operating Voltage	VF	-----	5	-----	V	

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

5mm Round LED

TLN-R4R5-333V5

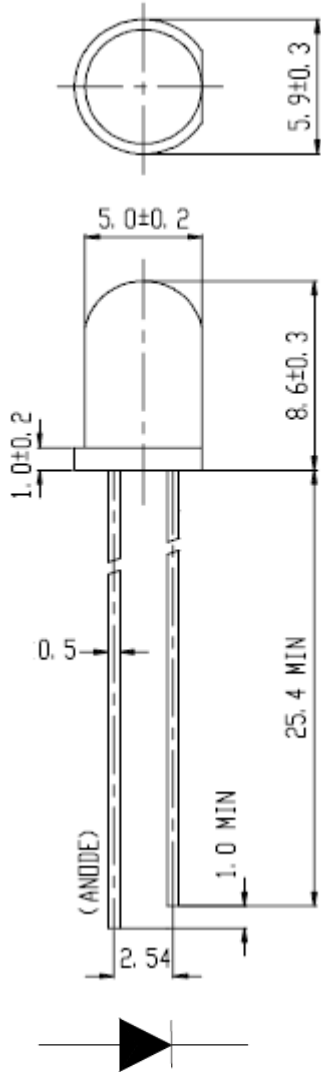
Typical Electro-Optical Characteristics Curves (Ta=25°C)



5mm Round LED

TLN-R4R5-333V5

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

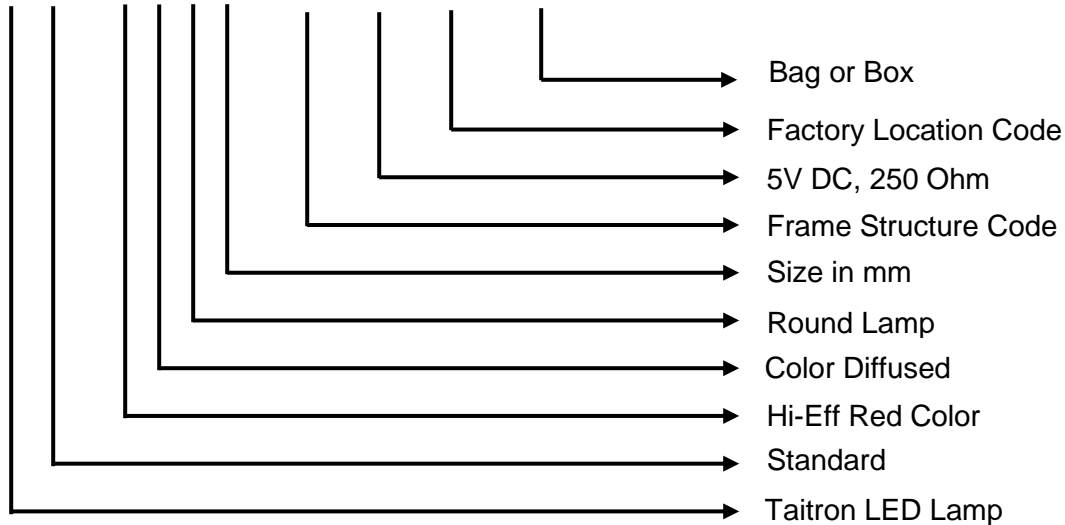
1. 500 Pcs/1 Bag

5mm Round LED

TLN-R4R5-333V5

Ordering Information

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



How to contact us

USA HEADQUARTERS

28040 WEST HARRISON PARKWAY, VALENCIA, CA 91355-4162

Tel: (800)-TAITRON (800)-824-8766 (661)-257-6060

Fax: (800)-TAITFAX (800)-824-8329 (661)-257-6415

Email: taitron@taitroncomponents.com

Http://www.taitroncomponents.com

TAITRON COMPONENTS INCORPORATED TAIWAN BRANCH

6F., NO.190, SEC. 2, ZHONGXING RD., XINDIAN DIST., NEW TAIPEI CITY 23146, TAIWAN R.O.C.

Tel: 886-2-2913-6238

Fax: 886-2-2913-6239

TAITRON COMPONENT TECHNOLOG SHANGHAI CORPORATION

SUITE 1503, METROBANK PLAZA, 1160 WEST YAN'AN ROAD, SHANGHAI, 200052, CHINA

Tel: +86-21-5424-9942

Fax: +86-21-2302-5027