

10mm Round LED

Features

- High luminous power
- Can be driven at low current
- 2.54mm lead spacing



10mm

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	
TLN-H1RA-13632	GaAIAs	Deep Hyper Red	Water Clear

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Value	Unit
Reverse Voltage	VR	5	V
Forward Current	IF	40	mA
Peak Forward Current (Duty 1/10@1KHZ)	IFP	200	mA
Power Dissipation	Pd	110	mW
Soldering Temperature (Note.1)	Tsol	260 ± 5	°C
Operating Temperature	Topr	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +100	°C

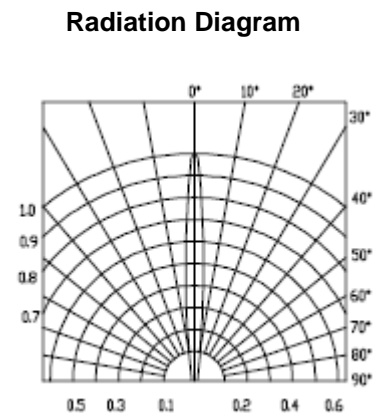
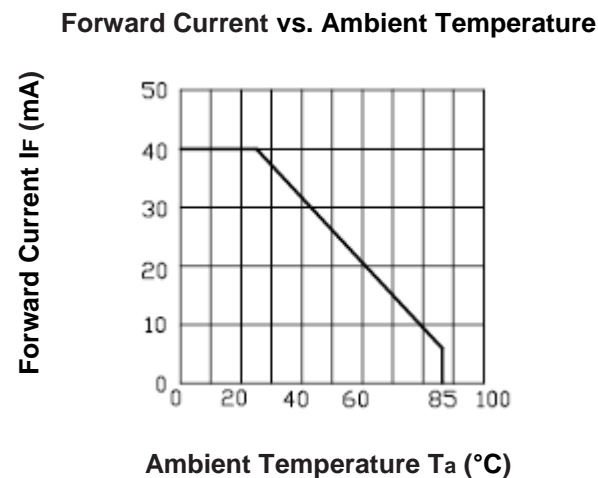
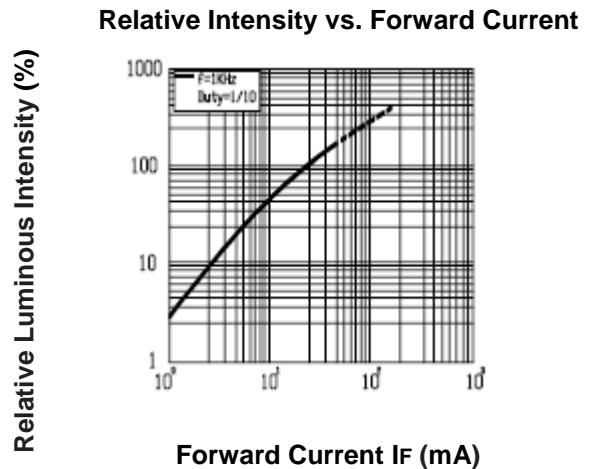
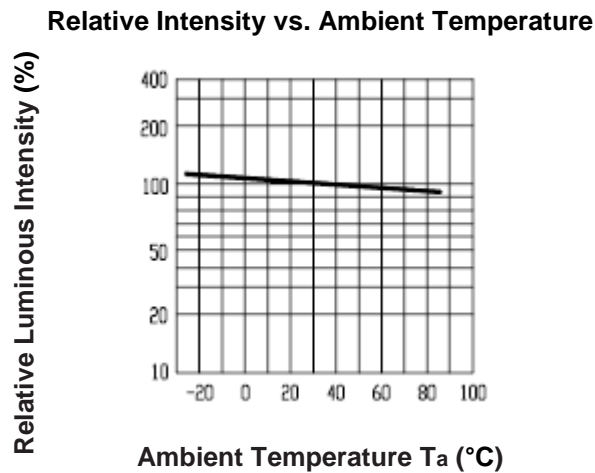
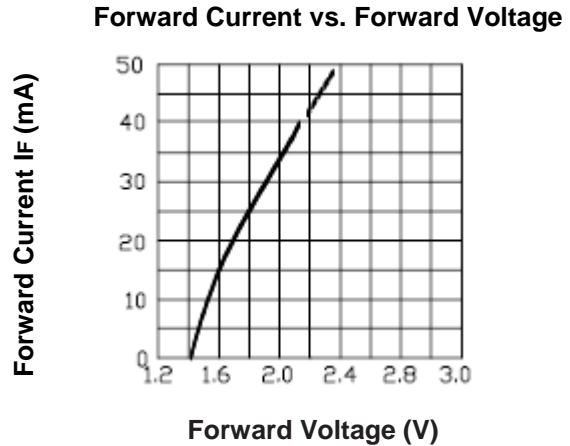
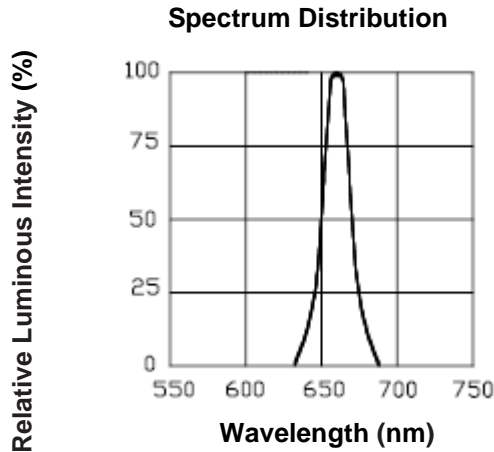
Note 1:

Soldering time ≤ 5 seconds

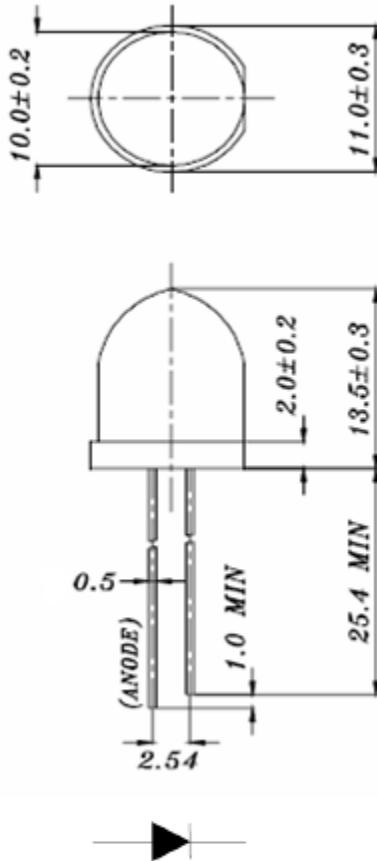
Electro-Optical Characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	Iv	1100	2000	-----	mcd	IF =20mA
Viewing Angle	2θ1/2	-----	8	-----	deg	
Peak wavelength	λp	-----	660	-----	nm	
Dominant wavelength	λd	-----	643	-----	nm	
Spectrum Radiation Bandwidth	Δλ	-----	20	-----	nm	
Forward Voltage	VF	1.5	1.7	2.4	V	
Reverse Current	IR	-----	-----	10	μA	VR=5V

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



Package Dimensions (In mm)



Note:

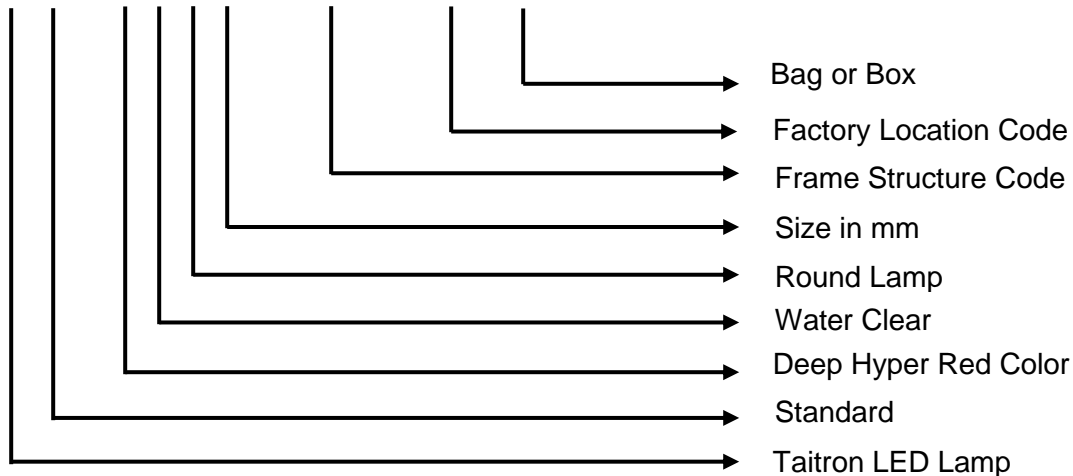
1. All dimensions are in millimeters, and tolerance is 0.25mm without special declared.
2. The epoxy meniscus may extend about 1.5mm down to the lead.

Packing Quantity Specification

1. 200 Pcs/1 Bag

Ordering Information

TL N - H 1 R A - 13632 - 92 - B



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