

5mm x 5mm Square Lamp LED

Features

- Choice of various viewing angles
- Reliable and robust
- RoHS compliance

Descriptions

- The series is specially designed for applications requiring higher brightness.
- The LED lamps are available with different colors, intensities.



QRLNH4Q5



Applications

- TV set
- Monitor
- Telephone
- Computer

Device Selection Guide

Part No.	Chip		Lens Color
	Material	Emitted Color	
TLN-H4Q5-583	GaP	Bright Red	Color Diffused

5mm x 5mm Square Lamp LED

TLN-H4Q5-583

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Value	Unit
Reverse Voltage	VR	5	V
Continuous Forward Current	IF	15	mA
Power Dissipation	Pd	45	mW
Peak Forward Current (Duty 1/10@1KHZ)	IF	50	mA
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

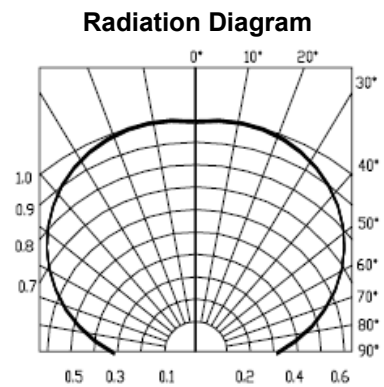
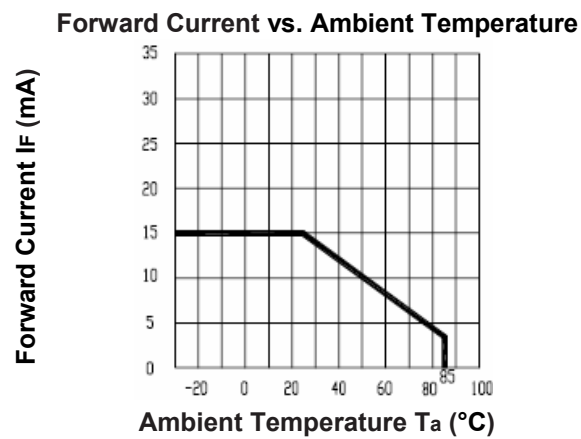
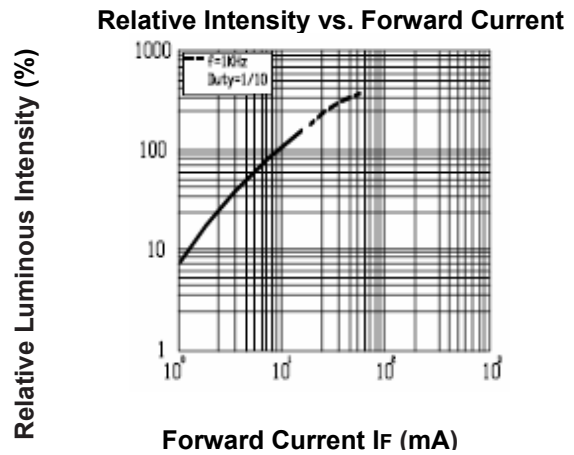
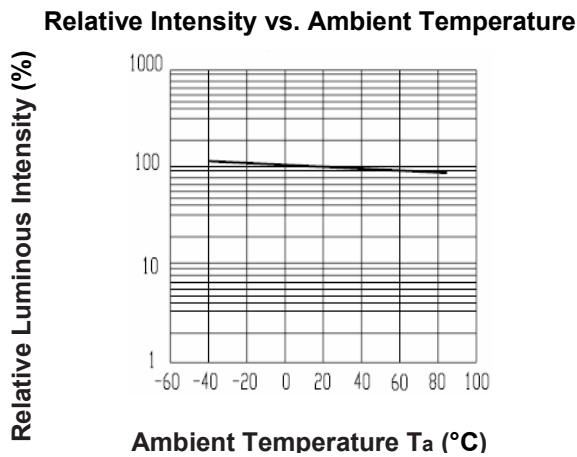
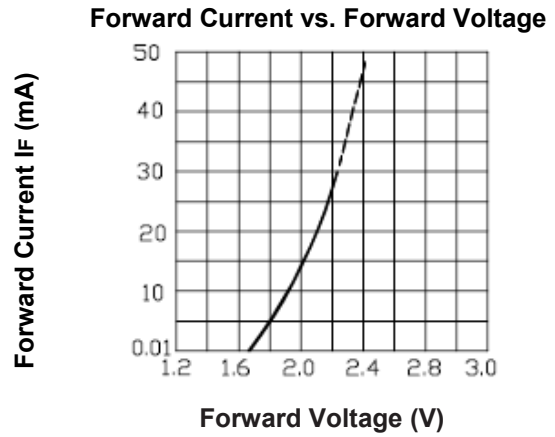
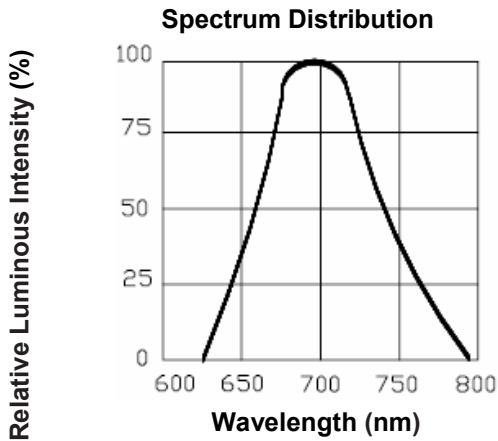
Electro-Optical Characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	Iv	0.5	2.3	-----	mcd	IF =10mA
Viewing Angle	2θ1/2	-----	150	-----	deg	
Peak wavelength	λp	-----	697	-----	nm	
Dominant wavelength	λd	-----	650	-----	nm	
Spectrum Radiation Bandwidth	Δλ	-----	90	-----	nm	
Forward Voltage	VF	1.7	2.1	2.4	V	
Reverse Current	IR	-----	-----	10	μA	VR=5V

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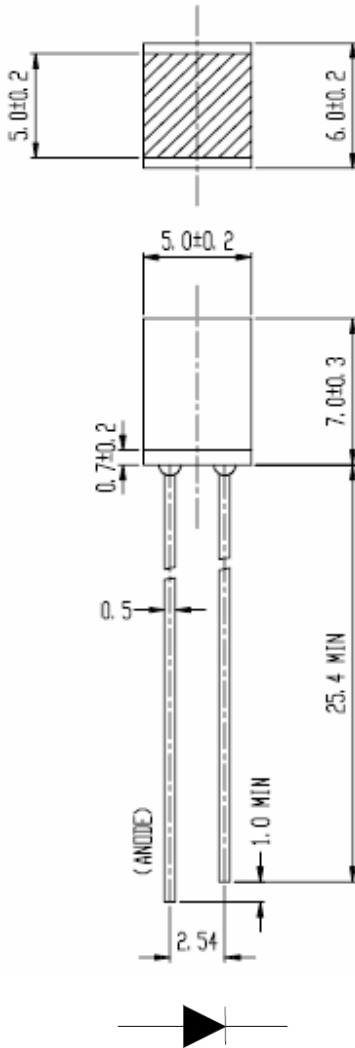
Typical Electro-Optical Characteristics Curves (Ta=25°C)



5mm x 5mm Square Lamp LED

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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

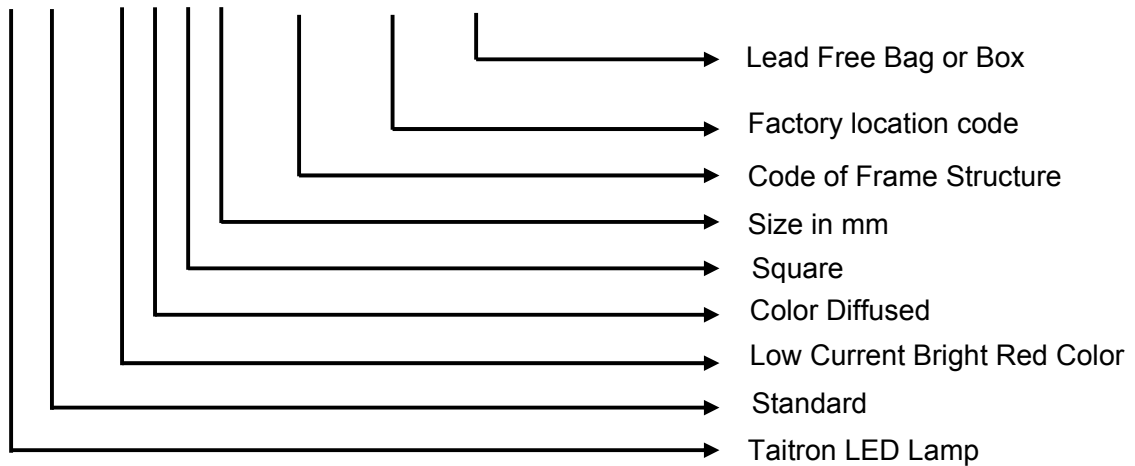
1. 1000 PCS/1 Bag, 5 Bags/1 Box
2. 10 Boxes/1 Carton

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Ordering Information

TL N - H 4 Q 5 - 583 - XX - BL



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