

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

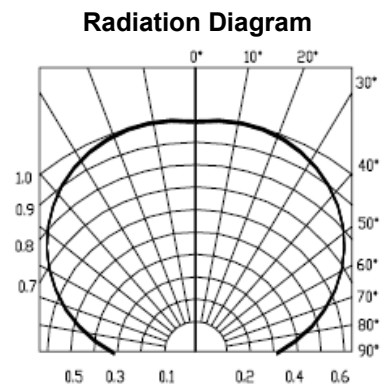
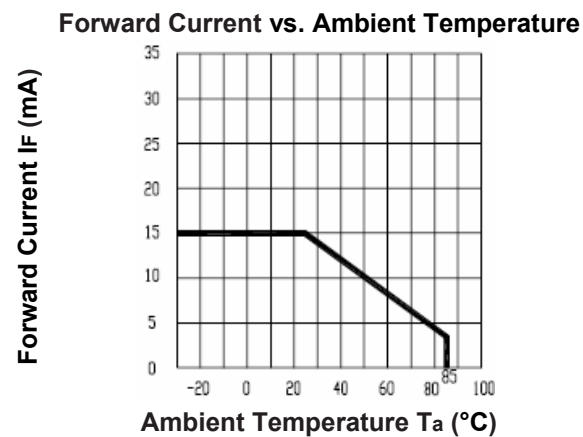
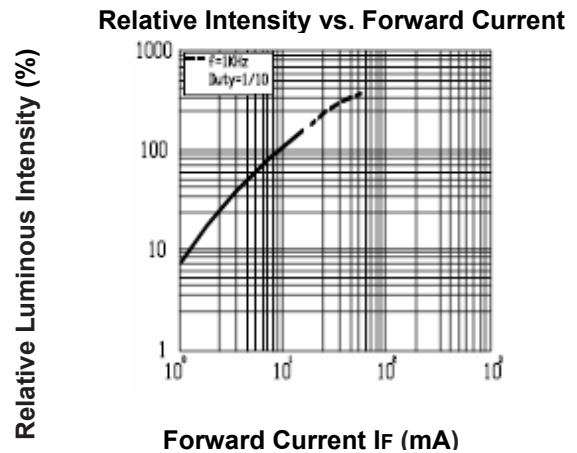
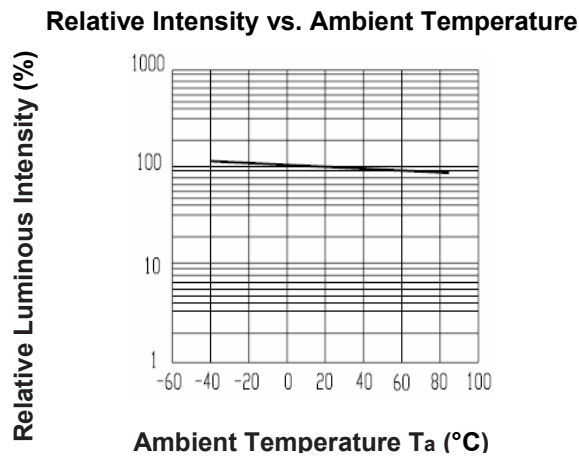
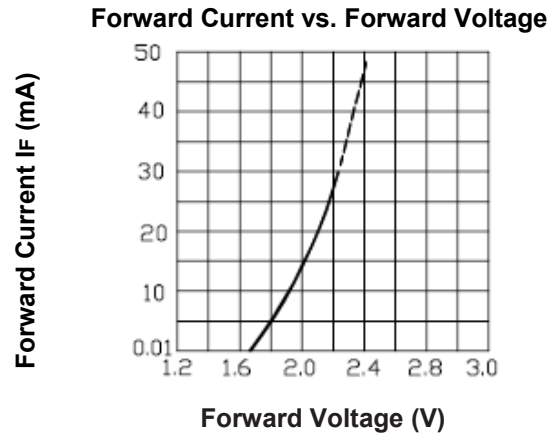
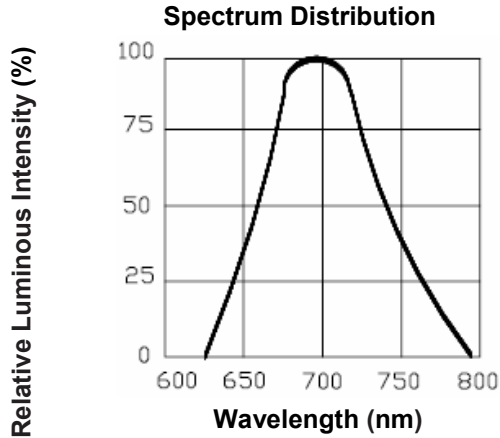
Electro-Optical Characteristics (Ta=25°C)

| 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 |

5mm x 5mm Square Lamp LED

TLN-H4Q5-583

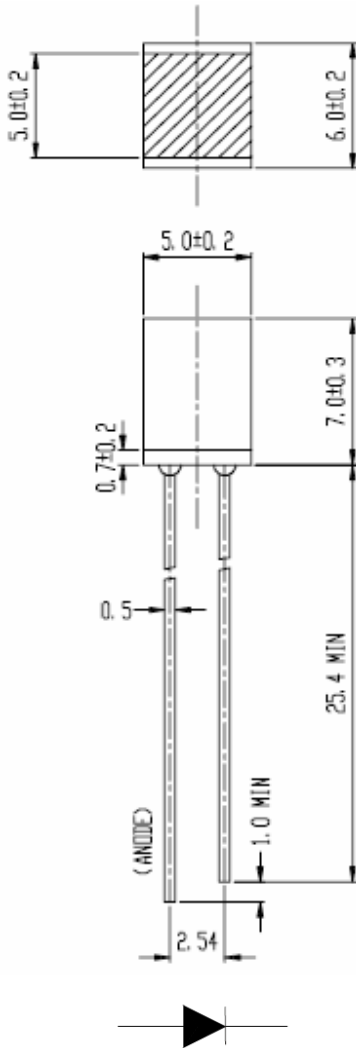
Typical Electro-Optical Characteristics Curves (Ta=25°C)



5mm x 5mm Square Lamp LED

TLN-H4Q5-583

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

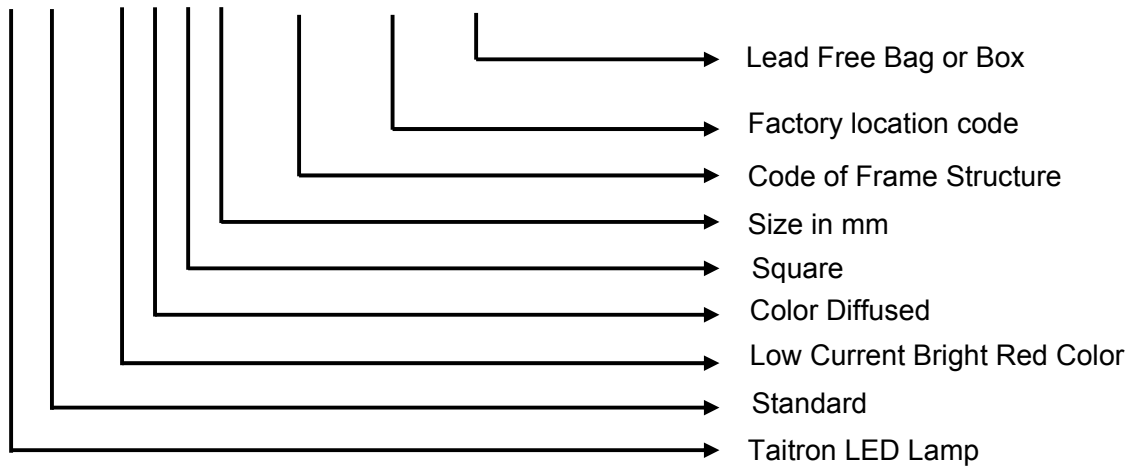
1. 1000 PCS/1 Bag, 5 Bags/1 Box
2. 10 Boxes/1 Carton

5mm x 5mm Square Lamp LED

TLN-H4Q5-583

Ordering Information

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



How to contact us

US 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 MEXICO, S.A .DE C.V.

BOULEVARD CENTRAL 5000 INTERIOR 5 PARQUE INDUSTRIAL ATITALAQUIA, HIDALGO
C.P. 42970 MEXICO

Tel: +52-55-5560-1519

Fax: +52-55-5560-2190

TAITRON COMPONETS INCORPORATED E REPRESENTAÇÕES DO BRASIL LTDA

RUA DOMINGOS DE MORAIS, 2777, 2.ANDAR, SALA 24 SAÚDE - SÃO PAULO-SP 04035-001
BRAZIL

Tel: +55-11-5574-7949

Fax: +55-11-5572-0052

TAITRON COMPONETS INCORPORATED, SHANGHAI REPRESENTATIVE OFFICE

METROBANK PLAZA, 1160 WEST YAN'AN ROAD, SUITE 1502, SHANGHAI, 200052, CHINA

Tel: +86-21-5424-9942

Fax: +86-21-5424-9931