



LEDTECH ELECTRONICS CORP.

(Zone 22) North Guiyuan Rd, West Jixi Rd,
Duanzhou District, Zhaoqing City, Guangdong
Province, P. R. China
TEL:86-758-2875541,2870651,2877464,2876185,2877017
FAX:86-758-2878014
[Http://www.ledtech.com.tw](http://www.ledtech.com.tw)

SPECIFICATION

PART NO. : LTA21G-H102-CBR

2.9mm ROUND LED LAMP WITH HOLDER



Approved by

Checked by

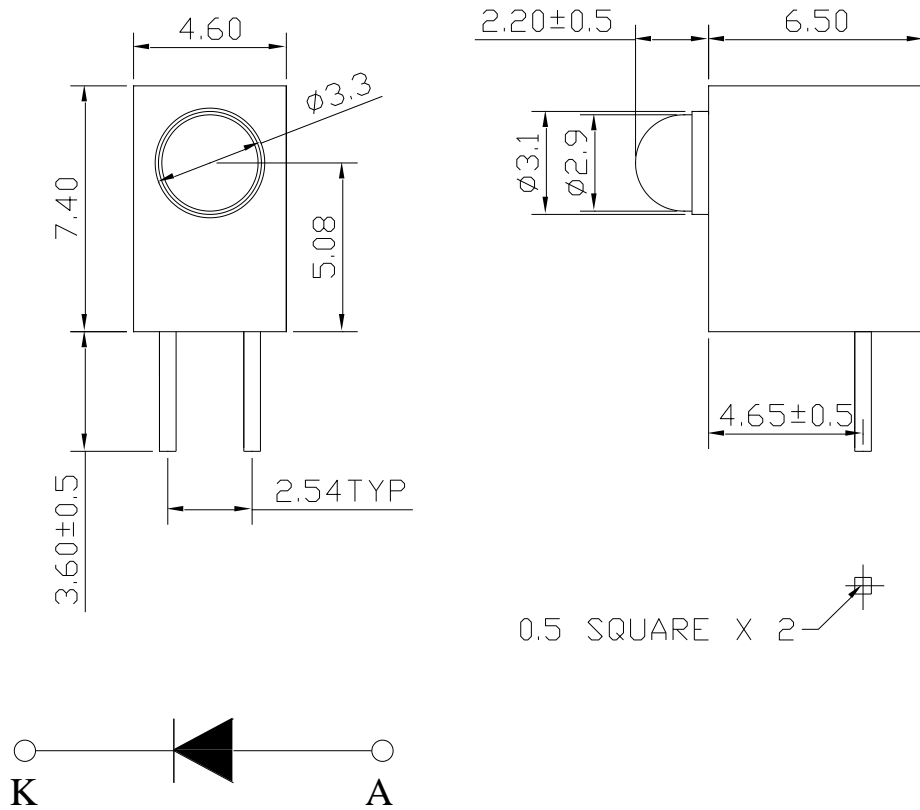
Prepared by

YUE

LIAN

LZC

Package Dimensions:



Notes:

1. All dimensions are in mm.
2. Tolerance is ± 0.25 mm unless otherwise noted.
3. The color of holder : Black.
4. The material of holder: N66.

Description

| Part No. | LED Chip | | Lens Color |
|-----------------|----------|----------------|----------------|
| | Material | Emitting Color | |
| LTA21G-H102-CBR | AlGaInP | Green | Green diffused |

**LTA21G-H102-CBR****2.9mm ROUND LED
LAMP WITH HOLDER****Absolute Maximum Ratings at Ta=25°C**

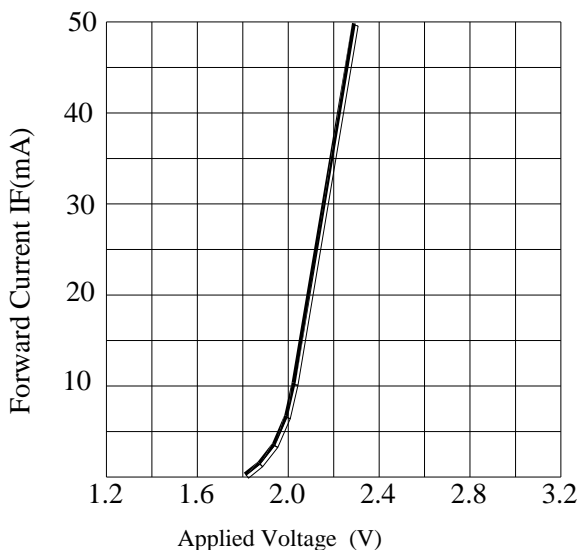
| Parameter | Symbol | Rating | Unit |
|---|----------|---|---------|
| Power Dissipation | PD | 72 | mW |
| Reverse Voltage | VR | 5 | V |
| D.C. Forward Current | If | 30 | mA |
| Reverse (Leakage) Current | Ir | 100 | μ A |
| Peak Current(1/10Duty Cycle,0.1ms Pulse Width.) | If(Peak) | 100 | mA |
| Operating Temperature Range | Topr | -25 to +85 | °C |
| Storage Temperature Range | Tstg | -40 to +100 | °C |
| Soldering Temperature(1.6mm from body) | Tsol | Dip Soldering : 260°C for 5 sec. Hand Soldering : 350°C for 3 sec. | |

Electrical and Optical Characteristics:

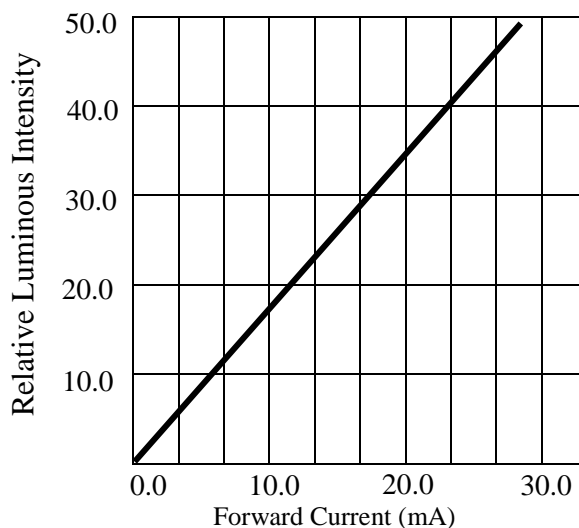
| Parameter | Symbol | Condition | Min. | Typ. | Max. | Unit |
|---------------------------|-----------------|-----------|------|------|------|---------|
| Luminous Intensity | Iv | If=20mA | 17.5 | 35.0 | | mcd |
| Forward Voltage | Vf | If=20mA | | 2.1 | 2.4 | V |
| Peak Wavelength | λ_p | If=20mA | | 573 | | nm |
| Dominant Wavelength | λ_d | If=20mA | | 570 | | nm |
| Reverse (Leakage) Current | Ir | Vr=5V | | | 100 | μ A |
| Viewing Angle | 2θ 1/2 | If=20mA | | 60 | | deg |
| Spectrum Line Halfwidth | $\Delta\lambda$ | If=20mA | | 20 | | nm |

Notes: The datas come from the SPEC.of LTA221-49-M176-MAS.

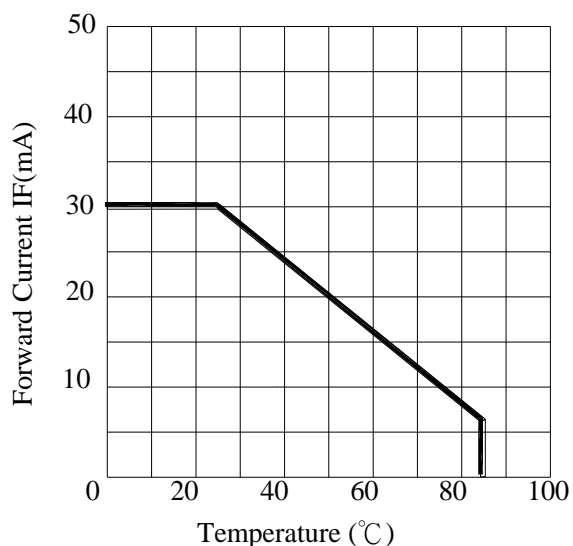
Typical Electrical / Optical Characteristics Curves :



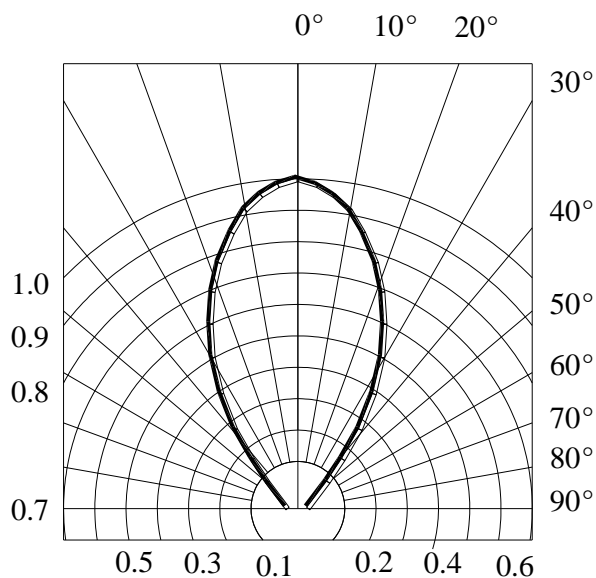
FORWARD CURRENT VS.APPLIED VOLTAGE



FORWARD CURRENT VS. LUMINOUS INTENSITY



FORWARD CURRENT VS. AMBIENT TEMPERATURE



RADIATION DIAGRAM