



LEDTECH ELECTRONICS CORP.

SPECIFICATION

PART NO. : UT2U1G-H113-W06

4.8mm ROUND LAMP WITH HOLDER AND WIRE

PRELIMINARY



Approved by

Checked by

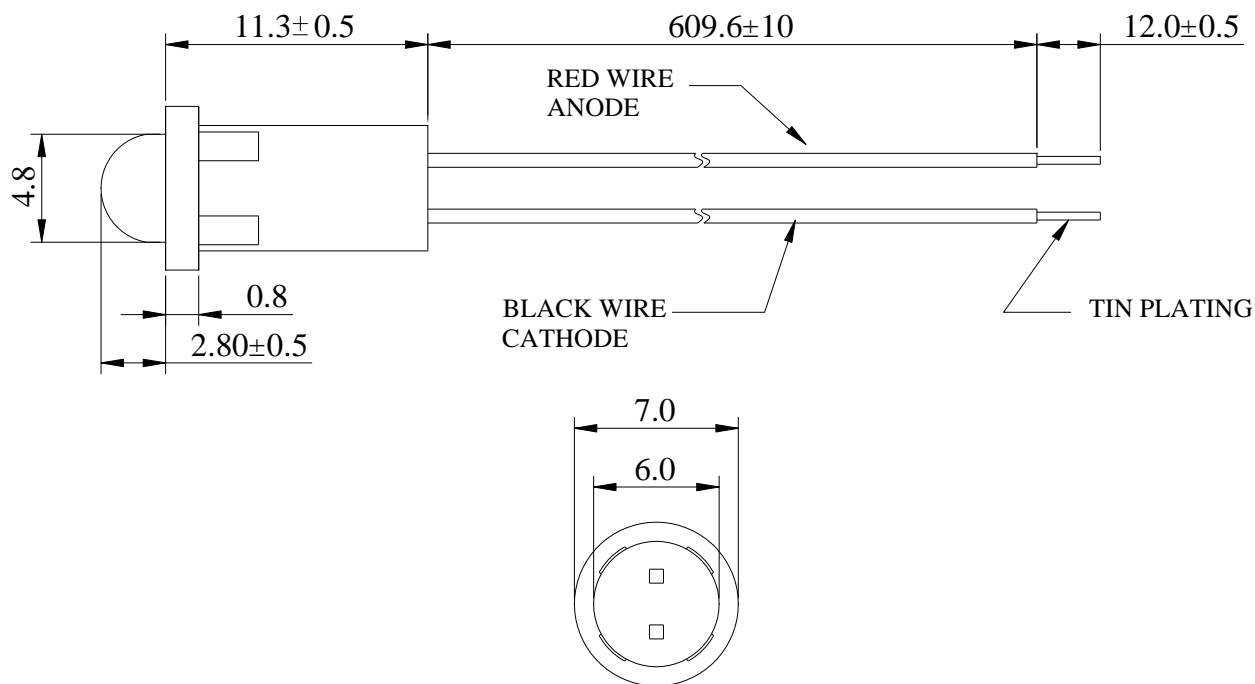
Prepared by

Yue

Lian

Rong

Package Dimensions



Notes:

1. All dimensions are in millimeters.
2. Tolerance is ±0.25mm unless otherwise noted.
3. The color of holder: Black.
4. The specification of wire: #1007 26AWG

Description

Part No.	LED Chip		Description
	Material	Emitting Color	
UT2U1G-H113- W06	GaP/GaP	Green	Green Diffused

**UT2U1G-H113-W06**4.8mm ROUND LAMP
WITH HOLDER AND WIRE**Absolute Maximum Ratings at Ta=25 °C**

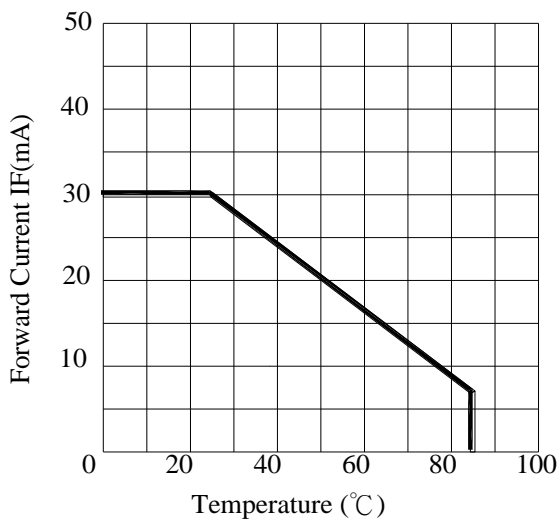
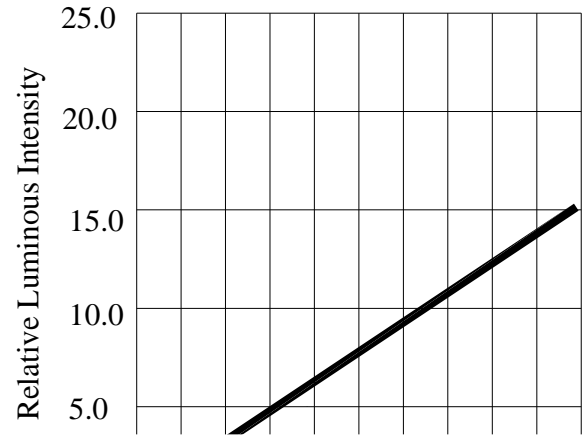
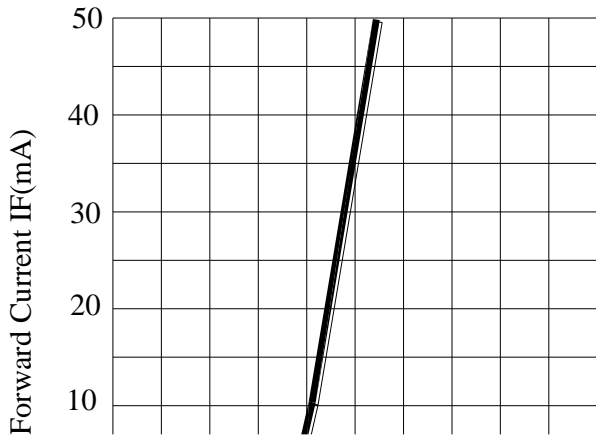
Parameter	Symbol	Rating	Unit
Power Dissipation	PD	360	mW
Reverse Voltage	VR	5	V
D.C. Forward Current	If	30	mA
Peak Current(1/10Duty duty,0.1ms Pulse Width.)	If(Peak)	100	mA
Operating Temperature Range	Topr.	-25 to +85	°C
Storage Temperature Range	Tstg.	-40 to +100	°C
Soldering Temperature(1.6mm from body)	Tsol	Dip Soldering: 260°C for 5sec. Hand Soldering: 350°C for 3 sec.	

Electrical and Optical Characteristics:

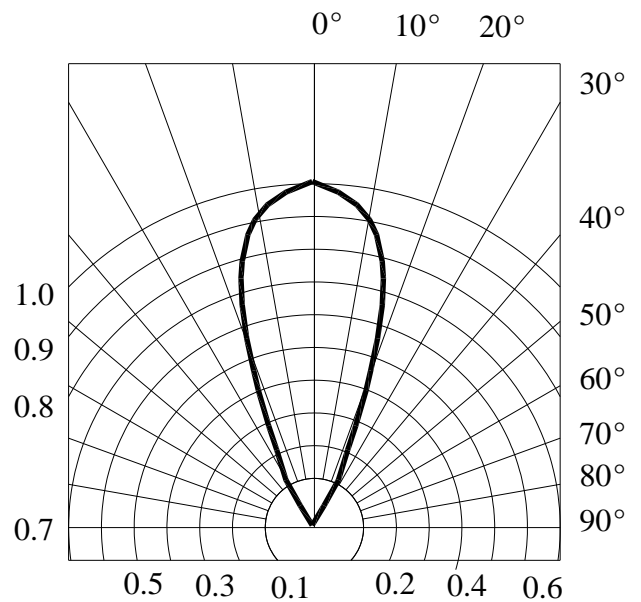
Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	Iv	Vf=12V	5.0	8.0		mcd
Forward Current	If	Vf=12V		12.5		mA
Peak Wavelength	λ_p	Vf=12V		567		nm
Dominant Wavelength	λ_d	Vf=12V		572		nm
Reverse Current	Ir	Vr=5V			10	μA
Viewing Angle	$2\theta_{1/2}$	Vf=12V		40		deg
Spectrum Line Halfwidth	$\Delta\lambda$	Vf=12V		30		nm

Note:The datas come from the SPEC. of UT6421-81-R801

Typical Electrical/Optical Characteristic Curves



FORWARD CURRENT VS. AMBIENT TEMPERATURE



Radiation Pattern