

SPECIFICATION

PART NO. : WU-2-53ND
5.0mm ROUND LED LAMP



Approved by

Checked by

Prepared by

: *Yng*

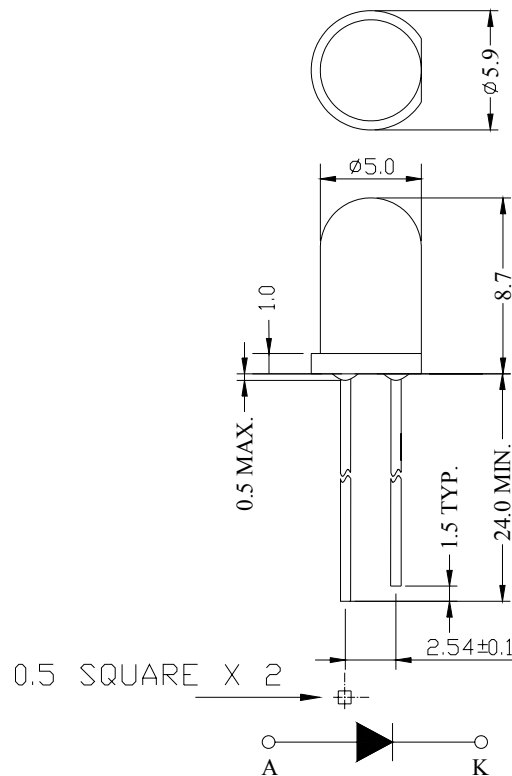
Yang

HUQING

Y W4/75PF5.0mm ROUND LED LAMP

Description

This amber lamp is made with GaAsP/GaP chip and amber diffused epoxy resin.



Notes:

1. All dimensions are in mm.
2. Tolerance is ± 0.25 mm unless otherwise noted.

Description

Part No.	LED Chip		Description
	Material Em	itting Color	
LWU-2-53ND	GaAsP/GaP	Amber	Amber diffused

Y W4/75PF5.0mm ROUND LED LAMP

Absolute Maximum Ratings at Ta=25

Parameter Sym	bol	Rating	Unit
Power Dissipation	PD 78		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	
Storage Temperature Range	Tstg.	-40 to +100	
Soldering Temperature(1.6mm from body)	Tsol.	Dip Soldering : 260 for 5 sec. Hand Soldering : 350 for 3 sec.	

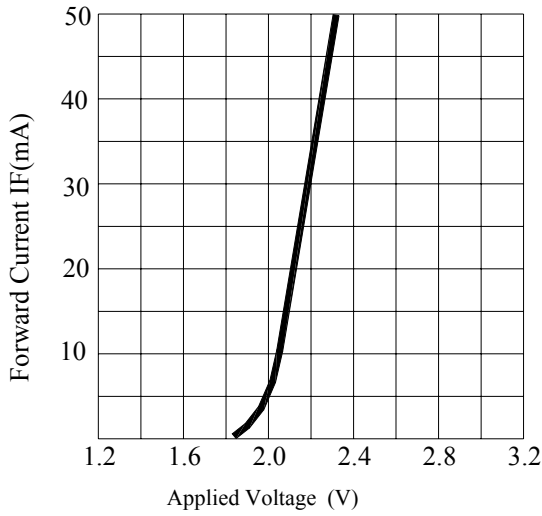
Electrical and Optical Characteristics:

Parameter Sym	bol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	Iv If=20mA	A	42.9	110		mcd
Forward Voltage	Vf	If=20mA		2.1	2.6	V
Peak Wavelength	λp	If=20mA	610			nm
Dominant Wavelength	λd	If=20mA	605			nm
Reverse (Leakage) Current	Ir	Vr=5V			100	μA
Viewing Angle	2 1/2	If=20mA	35			deg
Spectrum Line Halfwidth	Δλ	If=20mA	35			nm

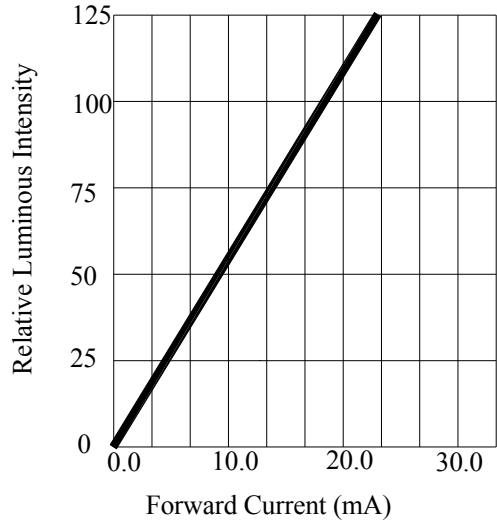
Notes:1. The datas tested by IS tester.

2. Customer's special requirements are also welcome.

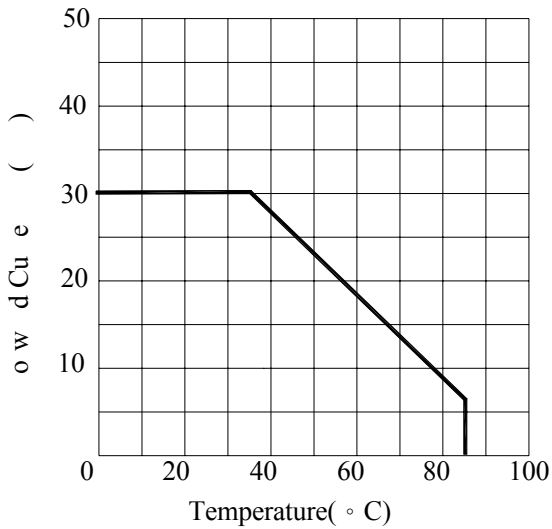
Typical Electrical / Optical Characteristics Curves :



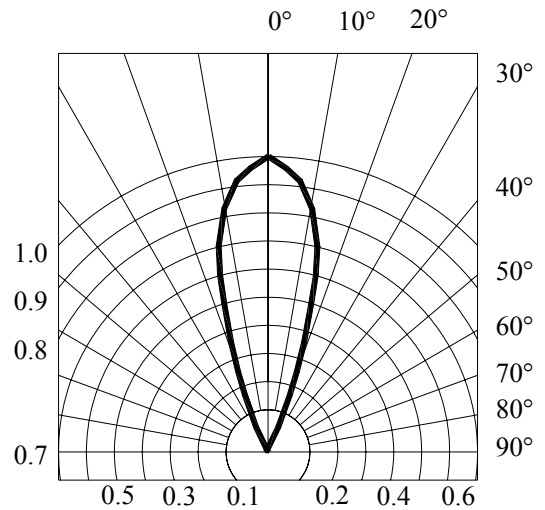
FORWARD CURRENT VS. APPLIED VOLTAGE



FORWARD CURRENT VS. LUMINOUS INTENSITY



FORWARD CURRENT VS. AMBIENT TEMPERATURE



RADIATION DIAGRAM

