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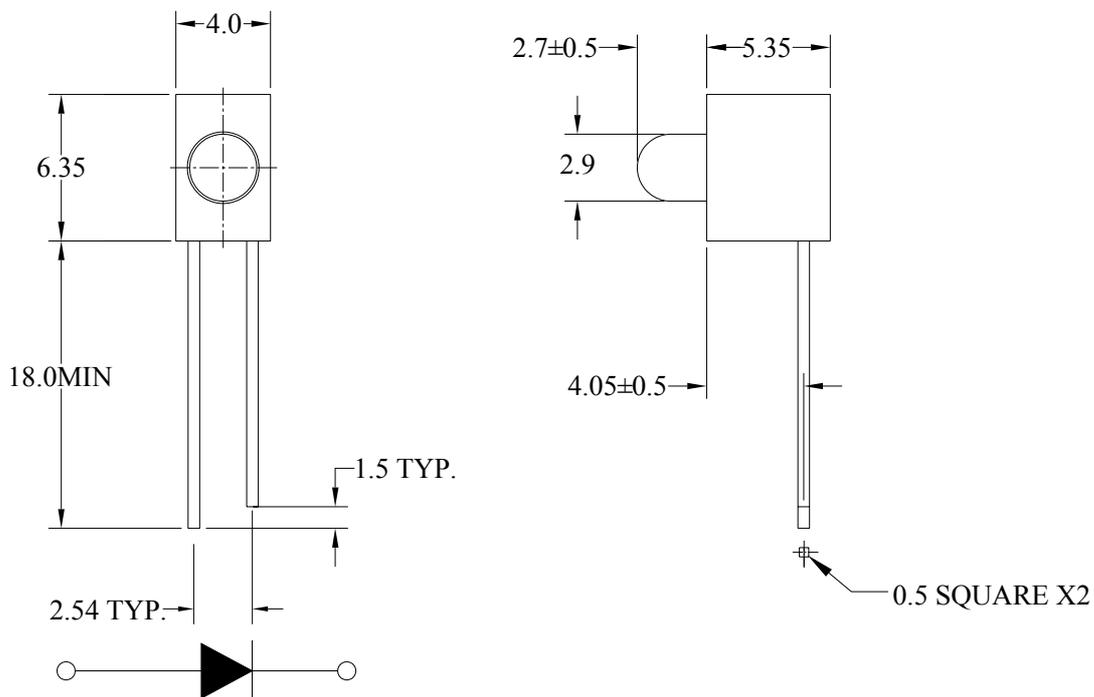
SPECIFICATION

PART NO. : LT631Y-H103

2.9mm ROUND LED LAMP WITH HOLDER



Approved by	Checked by	Prepared by
<i>Tung</i>	<i>Yang</i>	<i>Wen Tang</i>

Package Dimensions

Notes:

1. All dimensions are in millimeters.
2. Tolerance is ± 0.25 mm unless otherwise noted.
3. The color of holder: Black.
4. The material of holder: N66+V2.

Description

Part No.	LED Chip		Description
	Material	Emitting Color	
LT631Y-H103	GaAsP/GaP	Yellow	Yellow Diffused

**LT631Y-H103**2.9mm ROUND LED
LAMP WITH HOLDER**Absolute Maximum Ratings at Ta=25**

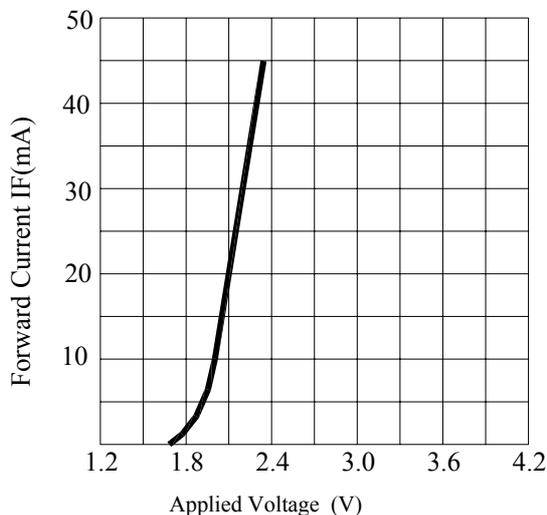
Parameter	Symbol	Rating	Unit
Power Dissipation	PD	78	mW
Reverse Voltage	VR	5	V
D.C. Forward Current	If	30	mA
Peak Current(1/10Duty duty,0.1ms Pulse Width.)	If(Peak)	100	mA
Operating Temperature Range	Topr.	-25 to +85	
Storage Temperature Range	Tstg.	-40 to +100	
Soldering Temperature(1.6mm from body)	Tsol	Dip Soldering: 260 for 5sec. Hand Soldering: 350 for 3 sec.	

Electrical and Optical Characteristics:

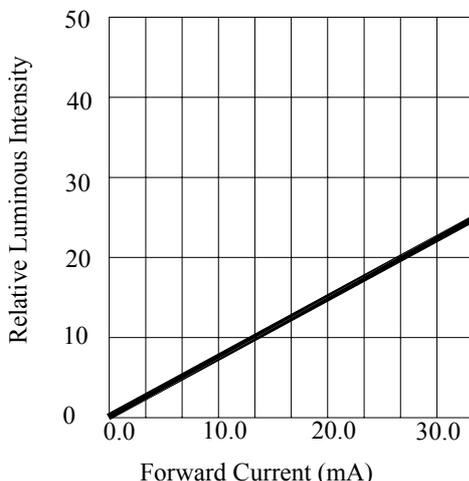
Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	Iv	If=20mA	7.6	15		mcd
Forward Voltage	Vf	If=20mA		2.1	2.6	V
Peak Wavelength	λ_p	If=20mA		585		nm
Dominant Wavelength	λ_d	If=20mA		590		nm
Reverse Current	Ir	Vr=5V			100	μA
Viewing Angle	2 1/2	If=20mA		55		deg
Spectrum Line Halfwidth	$\Delta\lambda$	If=20mA		35		nm

Note:The datas come from the SPEC. of LT6331-41

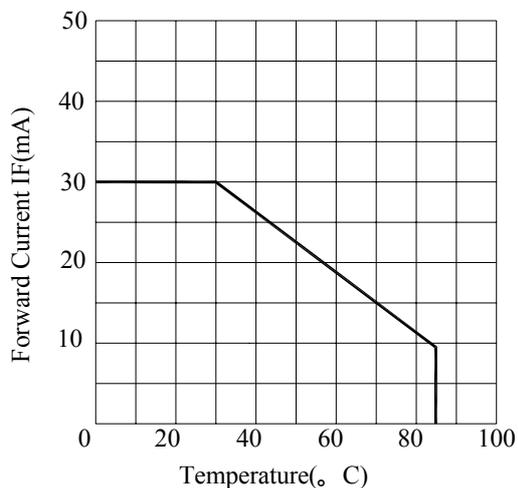
Typical Electrical / Optical Characteristics Curves :



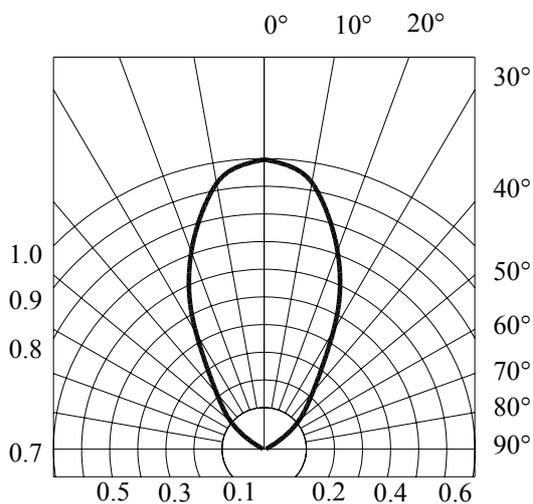
FORWARD CURRENT VS. APPLIED VOLTAGE



FORWARD CURRENT VS. LUMINOUS INTENSITY



FORWARD CURRENT VS. AMBIENT TEMPERATURE



RADIATION DIAGRAM