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SPECIFICATION

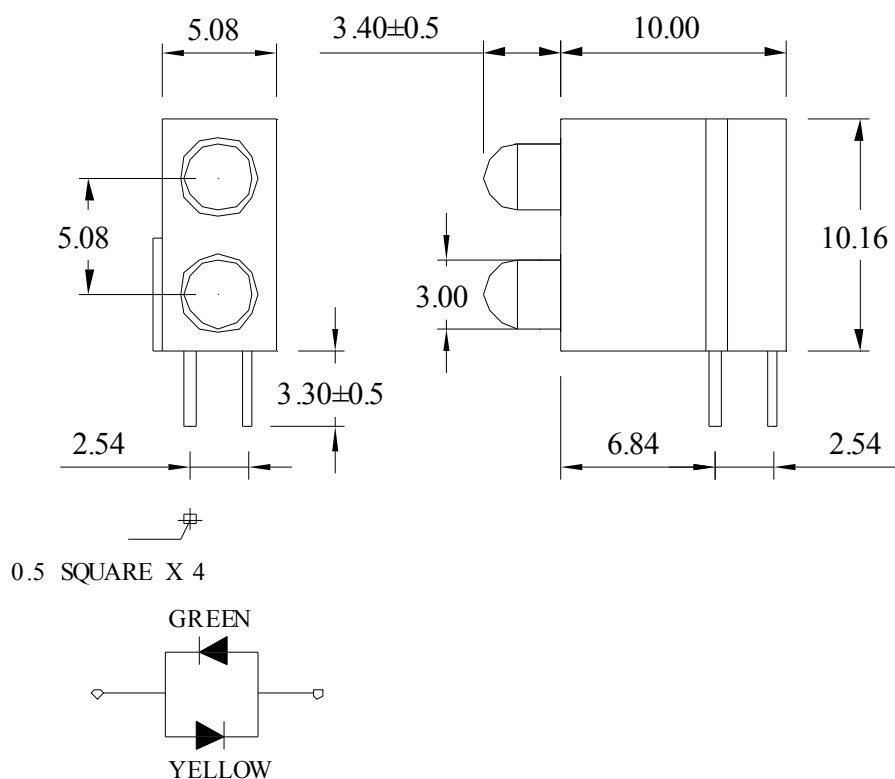
PART NO. : LT2M202-GY-H238-CAI

3.0mm ROUND LED LAMP WITH HOLDER



Approved by	Checked by	Prepared by
<i>Yue</i>	<i>Lian</i>	<i>LZC</i>

Package Dimensions



Notes:

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

Description

Part No.	LED Chip		Lens Color
	Material	Emitting Color	
LT2M202-GY-H238-CAI	GaAsP/GaP	Yellow	White diffused
	GaP/GaP	Green	



LT2M202-GY-H238-CAI

3.0mm ROUND LED LAMP
WITH HOLDER**Absolute Maximum Ratings at Ta=25°C**

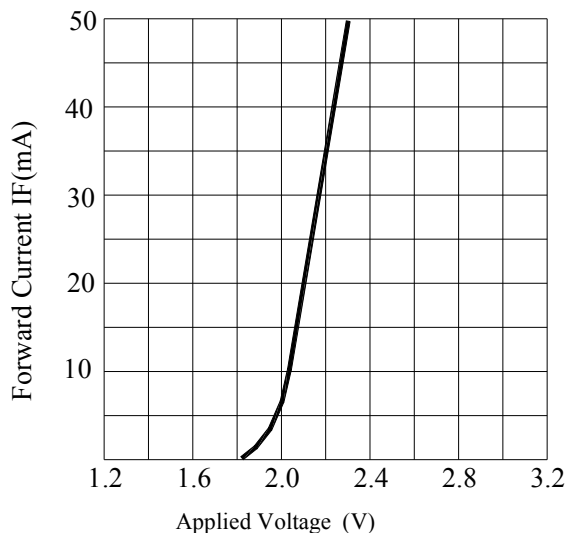
Parameter	Symbol	Rating		Unit
Power Dissipation	PD	G	78	mW
		Y	78	
D.C. Forward Current	If	30		mA
Peak Current(1/10Duty Cycle,0.1ms Pulse Width.)	If(Peak)	100		mA
Operating Temperature Range	Topr	-25 to +85		°C
Storage Temperature Range	Tstg	-40 to +100		°C
Soldering Temperature(1.6mm from body)	Tsol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

Electrical and Optical Characteristics:

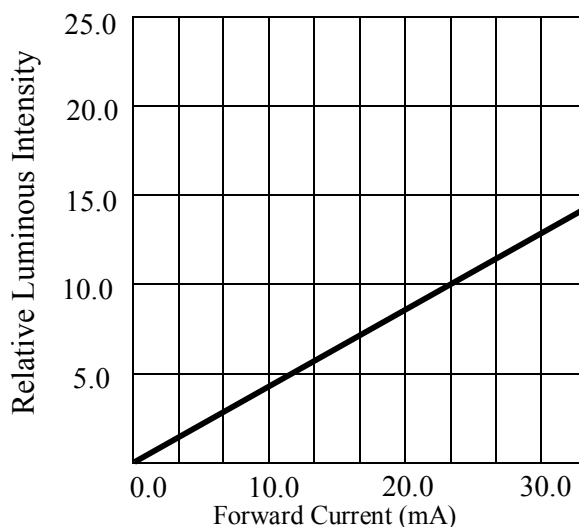
Parameter	Symbol	Condition	Color	Min.	Typ.	Max.	Unit
Luminous Intensity	Iv	If=20mA	G	3.0	8.0		mcd
			Y	3.0	8.0		
Forward Voltage	Vf	If=20mA	G	2.0	2.1	2.6	V
			Y	2.0	2.1	2.6	
Peak Wavelength	λ_p	If=20mA	G		567		nm
			Y		585		
Dominant Wavelength	λ_d	If=20mA	G		572		nm
			Y		590		
Reverse (Leakage) Current	Ir	Vr=5V				50	μA
Viewing Angle	2θ 1/2	If=20mA			70		deg
Spectrum Line Halfwidth	$\Delta\lambda$	If=20mA	G		30		nm
			Y		35		

Note:The datas come from the SPEC. of LT2M02-23-C85-A64.

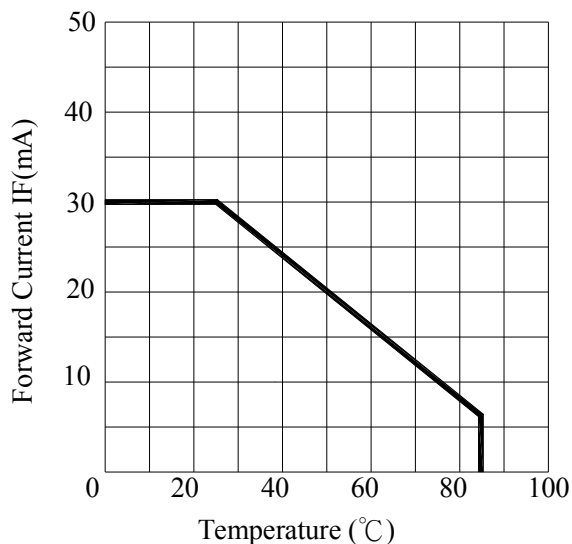
Typical Electrical / Optical Characteristics Curves :



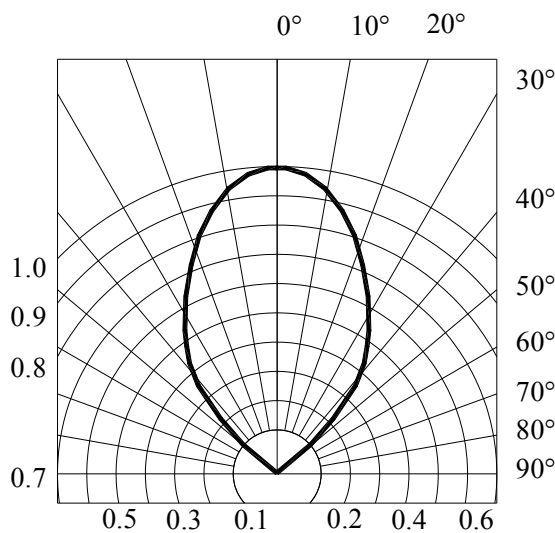
FORWARD CURRENT VS.APPLIED VOLTAGE



FORWARD CURRENT VS. LUMINOUS INTENSITY



FORWARD CURRENT VS. AMBIENT TEMPERATURE



RADIATION DIAGRAM