

PRODUCT SPECIFICATION

5mm ROUND YELLOW LED LAMP

DLHI.05MM.Y020.RO15

Approved By	Checked By	Prepared By



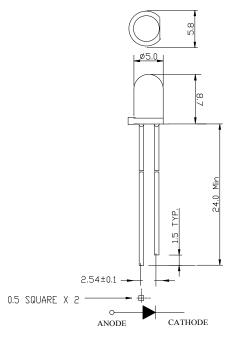
Package Dimensions

Features

- [≫] High intensity
- [∞] Reliable and rugged
- * Low current requirement
- [≫] IC compatible

Description

The YELLOW Lamps are made With AlGaInP/Sapphire chip and White diffused epoxy resin.



Part NO.	LED chip		Long Color	
	Material	Emitting Color	Lens Color	
DLHI.05MM.Y020.RO15	AIGaINP /Sapphire	YELLOW	Water clear	

Notes:

- 1. All dimensions in mm tolerance ± 0.2 mm unless otherwise noted.
- 2. An epoxy meniscus may extend about 1.5mm down the lead
- 3. Burr around bottom of epoxy may be 0.5mm max.



5.0mm ROUND YELLOW LED LAMP

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Absolute Maximum Ratings(Ta=25°C)					
Parameter	Symbol	Rating	Unit		
Power Dissipation	PD	80	mW		
Forward Current (DC)	IF	30	mA		
Peak Forward Current(Pulse width≤0.1msec duty≤1/10)	IFP	100	mA		
Reverse Voltage	VR	5.0	V		
Electro-Static-Discharge	ESD	2000	V		
Operation Temperature Range	Topr	-25to+85	°C		
Storage Temperature Range	Tstg	-40to+100	°C		
Lead Soldering Temperature(3.0mm from body) for 5 seconds		260	°C		

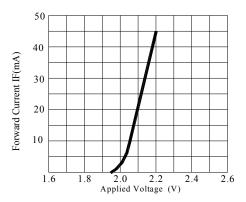
Typical Electrical and Optical Characteristics(Ta=25°C)

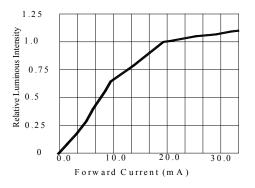
Parameter	Symbol	Condition	Min.	Тур.	Max.	Unit
Luminous Intensity	Iv	If=20mA	15000		20000	mcd
Forward Voltage	Vf	If=20mA	1.9		2.4	v
Wave length	WLD	If=20mA	588		592	nm
Reverse Current	Ir	Vr=5v			10	uA
Viewing Angle	2 0 1/2	If=20mA		15		deg



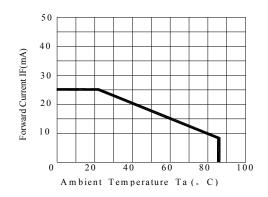
5.0mm ROUND YELLOW LED LAMP DLHI.05MM.Y020.R015

Typical Electrical / Optical Characteristics Curves



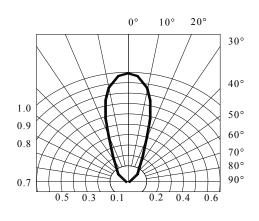


FORWARD CURRENT VS.APPLIED VOLTAGE



AMBIENT TEMPERA TURE VS.FORWARD CURRENT

FORWARD CURRENT VS. LUMINOUS INTENSITY



RADIATION DIAGRAM



