

Ledman Optoelectronic Co., Ltd. DATA SHEET

MODEL No: LL1501QUHR1-151

ENG. No: L0606003

Description:

■ 5mm Round lamp

Lens Color: Water ClearEmitting Color: Highr Red

■ Viewing Angle :15°

■ No Stopper

Dice Material: AlGalnP

PREPARED BY	CHECKED BY	APPROVED BY CUSTOMER APPROV		



Add: 7th Floor Haoyitong Building, North of Hi-Tech Industry Garden,

Nanshan District, Shenzhen, China

Tel: 86-755-86139688 Fax: 86-755-86139001



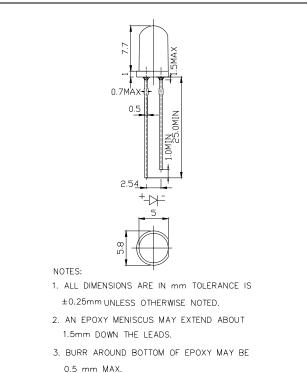
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Applications:

Absolute Maximum Ratings at Ta = 25°C

Items	Symbol	Absolute maximum	Unit	
items		Rating	Offic	
Forward Current	I _F	50	mA	
Peak Forward Current*	I _{FP}	200	mA	
Reverse Voltage	V_R	5	V	
Power Dissipation	P_{D}	130	mW	
Operation Temperature	T_{opr}	-40 ~ + 95	°C	
Storage Temperature	T_{stg}	-40 ~ +100	°C	
Lead Soldering	_	Max.260°C for 5 sec Max.		
Temperature	T _{sol}	(3mm from the base of the epoxy bulb)		

Dimension Drawing



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

Items	Symbol	Condition	Min.	Тур.	Max.	Unit
Forward Voltage	V_{F}	$I_F = 20mA$	1.7	2.0	2.6	V
Reverse Current	I _R	$V_R = 5V$			10	μΑ
Dominant Wavelength	λ_{D}	$I_F = 20mA$		624		nm
Luminous Intensity	I _V	$I_F = 20mA$		10000		mcd
50% Power Angle	20½H-H	$I_F = 20mA$		15		deg
	20½V-V	$I_F = 20mA$				deg

Important Notes:

- 1) All ranks will be included per delivery, rank ratio will be determined by LEDMAN.
- 2) Tolerance of measurement of luminous intensity is ±15%.
- 3) Tolerance of measurement of dominant wavelength is ± 1 nm.
- 4) Tolerance of measurement of Vf is ±0.05 V.
- 5) Packaging methods are available for selection, please refer to PACKAGING STANDARD.
- 6) Please refer to LED LAMP RELIABILITY TEST STANDARD for reliability test conditions.

^{*}pulse width <=0.1msec duty <=1/10



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