

# Ledman Optoelectronic Co., Ltd. DATE SHEET

MODEL No: LL2508QVYL4-A02

ENG. No:

## Description:

■ 5mm Oval lamp

■ Lens Color: Colored Diffused

■ Emitting Color: Yellow

■ Viewing Angle :100°

■ Stopper

Dice Material: AlGalnP

PREPARED BY	CHECKED BY	APPROVED BY	CUSTOMER APPROVED SIGNATURES



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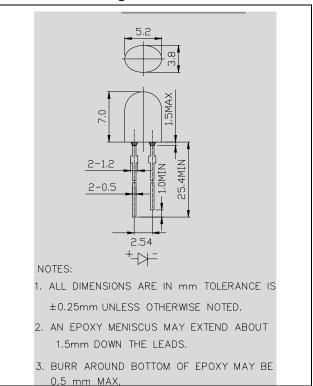
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#### **Applications:**

#### Absolute Maximum Ratings at Ta = 25°C

Items	Symbol	Absolute maximum	Unit	
items		Rating	Offic	
Forward Current	I <sub>F</sub>	50	mA	
Peak Forward Current*	I <sub>FP</sub>	200	mA	
Reverse Voltage	$V_R$	5	V	
Power Dissipation	$P_{D}$	150	mW	
Operation Temperature	$T_{opr}$	-30 ~ +85	°C	
Storage Temperature	$T_{stg}$	-40 ~ +100	°C	
Lead Soldering	_	Max.260°C for 5 sec Max.		
Temperature	T <sub>sol</sub>	(3mm from the base of the epoxy bulb)		

### **Dimension Drawing**



# \*pulse width <=0.1msec duty <=1/10

#### Typical Electrical & Optical Characteristics ( $Ta = 25^{\circ}C$ )

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Items	Symbol	Condition	Min.	Тур.	Max.	Unit
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> = 20mA	1.7	2.0	2.6	V
Reverse Current	I <sub>R</sub>	$V_R = 5V$			10	μΑ
Dominant Wavelength	$\lambda_{D}$	$I_F = 20mA$		590		nm
Luminous Intensity	I <sub>V</sub>	$I_F = 20mA$		900		mcd
50% Power Angle	2 <del>0</del> ½H-H	$I_F = 20mA$		100		deg
	20½V-V	$I_F = 20mA$		50		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  $\pm 15\%$ .
- 3) Tolerance of measurement of dominant wavelength is ±1nm.
- 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.



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