

LED LAMP SPECIFICATION

CONFIDENTIAL

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Rev. 0.0

U-JINLED
Lighting Your Imagination

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Overseas Factory : Plot#61, Sector#7 Export Processing Zone,
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TEL : (880)31-74-0050 FAX : (880)31-74-0038

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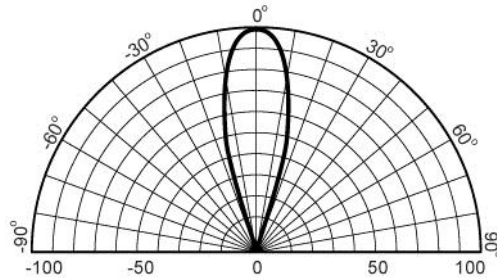
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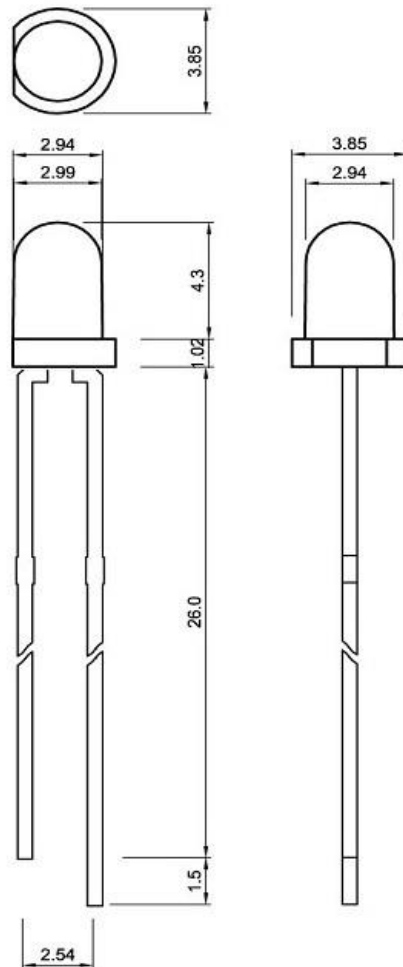
ULP-RM31AJ-30BN

1. Features

- 3mm dia round top lamp.
- TS AlGaInP/GaP Super bright Red.
- Viewing angle 30°.
- Water clear epoxy-molding type.
- High reliability and long life.
- High luminous intensity.
- Pb free.



2. Dimension



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3. Absolute maximum ratings (Ta=25°C)

Parameter	Sym	Rating	Unit
Forward Current	IF	30	mA
Reverse Voltage	VR	5	V
Power Dissipation	PD	66	mW
Operation Temp	Topg	-40 ~ + 80	°C
Storage Temp	Tstg	-40 ~ +100	°C

Drive current between 10mA and 30mA are recommended for long term performance

4. Opto electric characteristics (Ta=25°C)

Parameter	Sym	Condition	Min	Typ	Max	Unit
Forward Voltage	VF	IF = 20mA	1.8		2.8	V
Reverse Current	IR	VR = 5V			10	μA
Dominant wave length	λD	"	620		630	nm
Spectra Width at Half Height		"		20		nm

5. Soldering conditions

Soldering Temp ≤ 260°C
Soldering Time : 5 sec at location 3.0mm away from the base of the epoxy bulb.

6. Specification of Bin Grading

Bin	Forward Voltage(Vf)		λd(nm)		Iv (mcd) @20mA	
	Min	Max	Min	Max	Min	Typ
0	1.80	2.80	620	630	2300	2800

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■ Typical Electro-Optical Characteristics Curve:

Fig 1. Forward Current vs. Forward Voltage

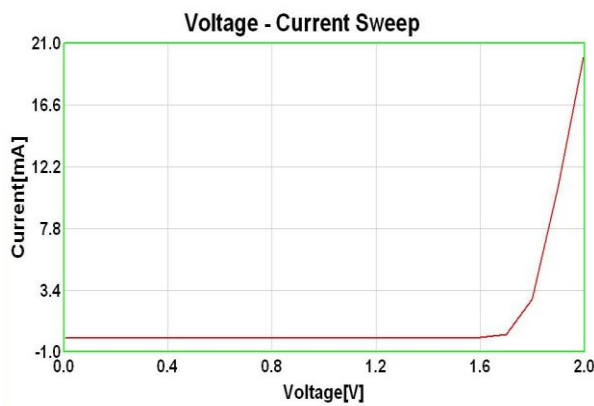


Fig 2. Relative Intensity vs. Forward Current

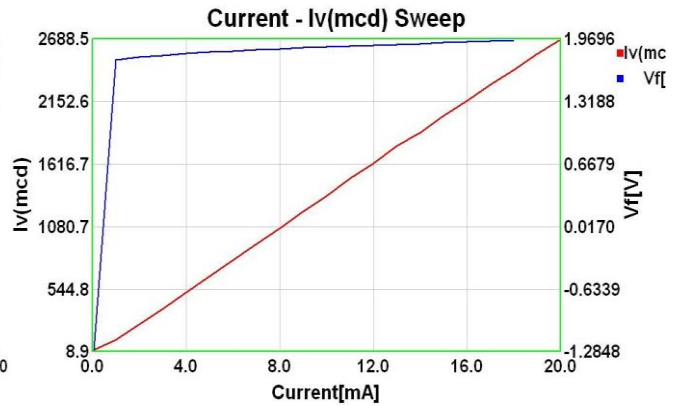


Fig 3. Relative Intensity vs. Wavelength

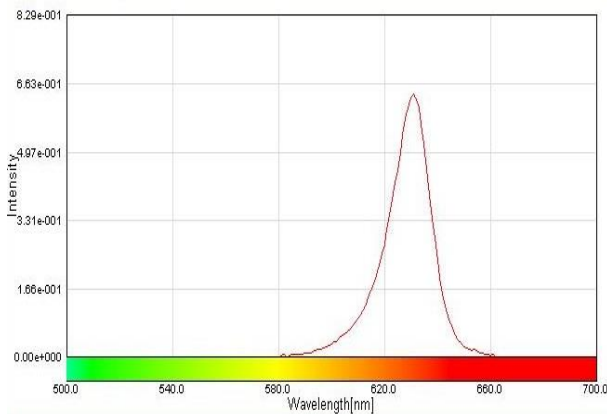


Fig 4. Forward Current vs. Temperature

