

L7*370-30P96
Multi-Die LED with Flat Glass Lens

L7*370-30P96 is seven pieces of InGaN dies mounted on TO-39 stem with ball glass lens. On forward bias it emits a spectral band of radiation, which peaks at 370nm.

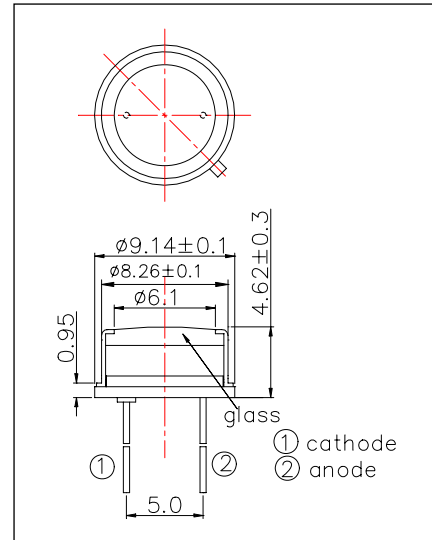
<Features>

- High Power
- High Reliability

<Specifications>

1. Product Name: LED Lamp
2. Type Number: L7*370-30P96
3. Chip:
 - Chip material: InGaN
 - Peak Wavelength: 370nm
 - Chip Numbers: Each 6pcs
4. Package
 - Type: TO-39 Stem
 - Lens: Flat Glass Lens

Outer Dimension (Unit:mm)



Absolute Maximum Ratings[Ta=25°C]				
Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Power Dissipation	PD	110	mW	Ta=25°C
Forward Current	IF	200	mA	Ta=25°C
Pulse Forward Current*	IFP		mA	Ta=25°C
Reverse Voltage	VR	3	V	Ta=25°C
Operating Temperature	TOPR	-30 ~ +85	°C	
Storage Temperature	TSTG	-30 ~ +100	°C	
Soldering Temperature**	TSOL	260	°C	

* Duty=1% and Pulse Width=10us

** Soldering condition must be completed within 3 seconds at 260°C

Electro-Optical Characteristics						
Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	IF=100mA		3.4	4.0	V
Reverse Current	IR	VR=3V			10	uA
Total Radiated Power*	PO	IF=100mA		1.2		mW
Brightness	IV	IF=100mA				mcd
Radiant Intensity**	IE	IF=100mA				mW/sr
Peak Wavelength	λP	IF=100mA	360	370	380	nm
Half Width	Δλ	IF=100mA		20		nm
Viewing Half Angle	θ1/2	IF=100mA				deg

* Measured by Ando Optical Multi Meter AQ2730 & AQ2741

** Measured by Tektronix J-6512

