

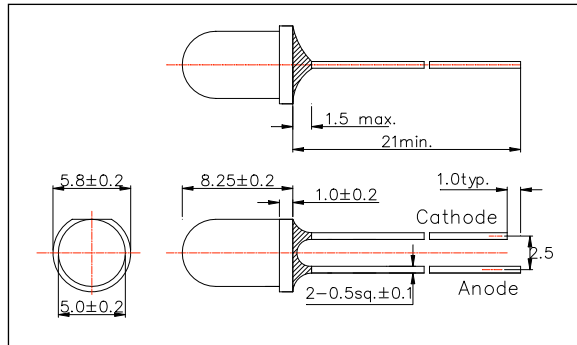
## L610-01 Super Bright Orange LED Lamp

L610-01 is an AlInGaP LED mounted on a lead frame with a clear epoxy resin. On forward bias, it emits a band of visible light that peaks 610nm.

<Specifications>

1. Product Name: Orange LED Lamp
2. Type Number: L610-01
3. Chip:
  - Chip material: AlInGaP
  - Peak Wavelength: 610nm typ.
4. Package
  - Type: Φ5mm Clear Molding
  - Resin Material: Epoxy Resin
  - Lead Frame: Soldered(Lead Free)

Outer Dimension (Unit:mm)



Absolute Maximum Ratings				
Item	Symbol	Maximum Rated Value	Unit	Ambient Temp.
Power Dissipation	PD	190	mW	Ta=25°C
Forward Current	IF	75	mA	Ta=25°C
Reverse Voltage	VR	5	V	Ta=25°C
Junction Temperature	Tj	100	°C	
Operating Temperature	TOPR	-30 ~ +80	°C	
Storage Temperature	TSTG	-30 ~ +100	°C	
Soldering Temperature*	TSOL	265	°C	

\* Soldering condition must be completed within 5 second at 265 °C.

Electro-Optical Characteristics [Ta=25°C ]						
Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	IF=20mA		2.1	2.4	V
	VFP	IFP=50mA		2.4	2.7	
Radiated Power*	PO	IF=20mA		8.0		mW
		IFP=50mA		18		
Brightness**	IV	IF=20mA		9,000		mW/sr
		IFP=50mA		20,500		
Wavelength	Peak	IF=20mA	600	610	620	nm
	Dominant					
Half Width	Δλ	IF=20mA		15		nm
Viewing Half Angle	θ1/2	IF=20mA		±13		deg

\* Measured by Photodyne #500

\*\* Measured by Tektronix J-16

