

**L630-36**

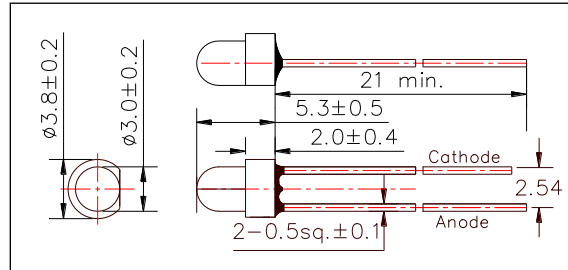
Super Bright Orange LED Lamp

L630-36 is an InGaAlP LED mounted on a lead frame with a clear epoxy resin. On forward bias, it emits a band of visible light that peaks 635nm.

<Specifications>

1. Product Name: Orange LED Lamp
2. Type Number: L630-36
3. Chip:
  - Chip material: InGaAlP
  - Peak Wavelength: 635nm typ.
4. Package
  - Type: Φ3mm 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	130	mW	Ta=25°C
Forward Current	IF	50	mA	Ta=25°C
Pulse Forward Current*	IFP	500	mA	Ta=25°C
Reverse Voltage	VR	5	V	Ta=25°C
Operating Temperature	TOPR	-30 ~ +85	°C	
Storage Temperature	TSTG	-30 ~ +100	°C	
Soldering Temperature**	TSOL	265	°C	

\* Duty=1% and Pulse Width=10us.

\*\* Soldering condition must be completed within 3 second at 265°C.

Electro-Optical Characteristics [Ta=25°C]						
Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	IF=20mA		2.1	2.3	V
Reverse Current	IR	VR=5V			10	uA
Total Radiated Power*	PO	IF=20mA	6	10		mW
Radiant Intensity	IE	IF=20mA	5	8		mW/sr
Brightness**	IV	IF=20mA		1800		mcd
Peak Wavelength	λP	IF=20mA	630	635	640	nm
Half Width	Δλ	IF=20mA		20		nm
Viewing Half Angle	θ1/2	IF=20mA		±30		deg

\* Measured by Photodyne #500

\*\* Measured by Tektronix J-16

