

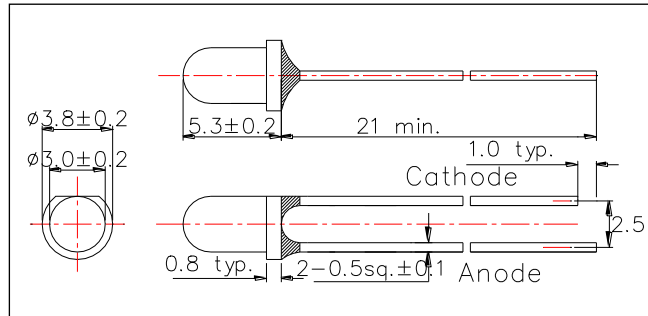
L625-33 Super Bright Orange LED Lamp

L625-33 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 625nm.

<Specifications>

1. Product Name: Orange LED Lamp
2. Type Number: L625-33
3. Chip:
 - Chip material: AlInGaP
 - Peak Wavelength: 625nm 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	120	mW	Ta=25°C
Forward Current	IF	50	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	

* 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		2.0	2.3	V	
Reverse Current	IR	VR=5V			10	uA	
Total Radiated Power*	PO	IF=20mA		7.5		mW	
Brightness**	IV	IF=20mA		4500		mcd	
Wavelength	Peak	λP	IF=20mA	615	625	630	nm
	Dominant	λD	IF=20mA	(605)	-	(617)	
Half Width	Δλ	IF=20mA		15		nm	
Viewing Half Angle	θ1/2	IF=20mA		± 15		deg	

* Measured by Photodyne #500

** Measured by S3584-08

