

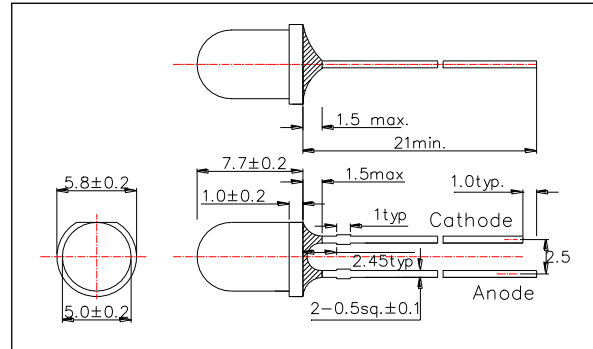
## L625-03 Super Bright Red LED Lamp

L625-03 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: Red LED Lamp
2. Type Number: L625-03
3. Chip:
  - Chip material: AlInGaP
  - Peak Wavelength: 625nm 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	175	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	
Thermal Resistance*	Rthjp	320	K/W	
Operating Temperature	TOPR	-30 ~ +80	°C	
Storage Temperature	TSTG	-30 ~ +100	°C	
Soldering Temperature**	TSOL	265	°C	

\* Junction - ambient, leads 7mm, soldered on PCB.

\*\* 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		2.0	2.3	V
		IF=50mA		2.1	2.4	
Radiated Power*	PO	IF=20mA	5.0	9.0		mW
		IF=50mA	12.0	22.0		
Radiant Intensity	IE	IF=20mA		23		
		IF=50mA		53		
Brightness**	IV	IF=20mA		6,400		mW/sr
		IF=50mA		14,100		
Wavelength	Peak	λP	IF=20mA	615	625	635
	Dominant					
Half Width	Δλ	IF=20mA		18		nm
Viewing Half Angle	θ1/2	IF=20mA		±13		deg

\* Measured by S3584-08

\*\* Measured by Tektronix J-16

