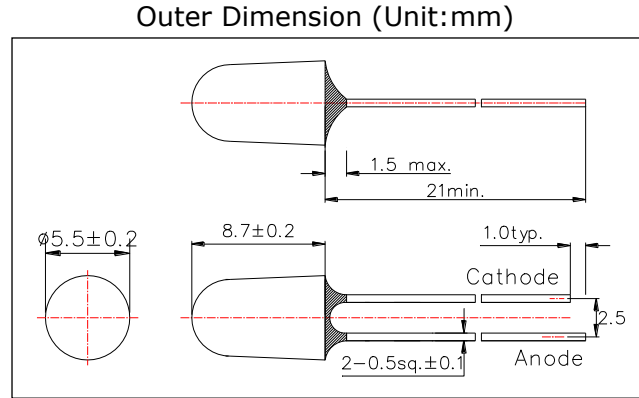


L610-06 Super Bright Amber LED Lamp

L610-06 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 610nm.

<Specifications>

1. Product Name: Amber LED Lamp
2. Type Number: L610-06
3. Chip:
 - Chip material: InGaAlP
 - Peak Wavelength: 610nm typ.
4. Package
 - Type: Φ5mm Clear Molding
 - Resin Material: Epoxy Resin
 - Lead Frame: Soldered(Lead Free)



Absolute Maximum Ratings				
Item	Symbol	Maximum Rated Value	Unit	Ambient Temp.
Power Dissipation	PD	125	mW	Ta=25°C
Forward Current	IF	50	mA	Ta=25°C
Reverse Voltage	VR	5	V	Ta=25°C
Junction Temperature	Tj	100	°C	
Thermal Resistance*	Rthjp	340	K/W	
Operating Temperature	TOPR	-40 ~ +80	°C	
Storage Temperature	TSTG	-40 ~ +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		2.1	2.4	V
		IF=50mA		2.4	2.7	
Radiated Power*	PO	IF=20mA		8.5		mW
		IF=50mA		20		
Radiant Intensity	IE	IF=20mA		110		mW/sr
Brightness**	IV	IF=20mA		40,000		mcd
		IF=50mA		90,000		
Wavelength	Peak	IF=20mA	600	610	620	nm
	Dominant			605		
Half Width	Δλ	IF=20mA		16		nm
Viewing Half Angle	θ1/2	IF=20mA		±3		deg

* Measured by Photodyne #500

** Measured by Tektronix J-16

