

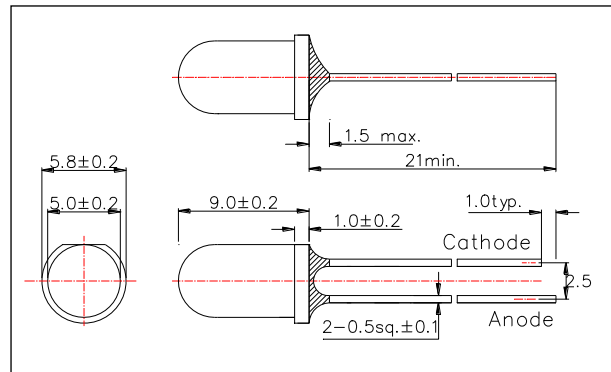
## L470-01 Super Bright Blue LED

L470-01 is an InGaN LED mounted on a lead frame with a clear epoxy lens. On forward bias, it emits a band of visible light that peaks 465nm.

<Specifications>

1. Product Name: Blue LED Lamp
2. Type Number: L470-01
3. Chip:
  - Chip material: InGaN
  - Peak Wavelength: 465nm 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	200	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							
Item	Symbol	Condition	Minimum	Typical	Maximum	Unit	
Forward Voltage	VF	IF=20mA		3.2	4.0	V	
Reverse Current	IR	VR=5V			10	uA	
Total Radiated Power*	PO	IF=20mA		20		mW	
Radiant Intensity	IE	IF=20mA		85		mW/sr	
Brightness**	IV	IF=20mA		7000		mcd	
Wavelength	Peak	λP	IF=20mA	455	465	475	nm
	Dominant	λD	IF=20mA		470		nm
Half Width	Δλ	IF=20mA		25		nm	
Viewing Half Angle	θ1/2	IF=20mA		±8		deg	

\* Measured by S3584-08

\*\* Measured by Tektronix J-16

