

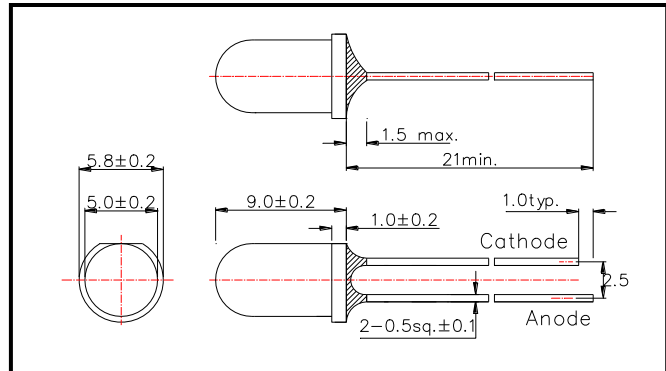
L470-01 Super Bright Blue LED

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 which peaks 465nm.

◆ Specifications

- 1) Product Name Blue LED Lamp
- 2) Type No. L470-01
- 3) Chip
- (1) Chip Material InGaN
- (2) Peak Wavelength 465nm typ.
- 4) Package
- (1) Type Φ5mm clear molding
- (2) Resin Material Epoxy Resin
- (3) Lead Frame Soldered (Lead Free)

◆ Outer dimension (Unit : mm)



◆ Absolute Maximum Ratings

Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Power Dissipation	P _D	200	mW	T _a =25°C
Forward Current	I _F	50	mA	T _a =25°C
Reverse Voltage	V _R	5	V	T _a =25°C
Operating Temperature	T _{OPR}	-30 ~ +85	°C	
Storage Temperature	T _{STG}	-30 ~ +100	°C	
Soldering Temperature	T _{SOL}	265	°C	

‡Soldering condition: Soldering condition must be completed within 3 seconds at 265°C

◆ Electro-Optical Characteristics

Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V _F	I _F =20mA		3.2	4.0	V
Reverse Current	I _R	V _R =5V			10	uA
Total Radiated Power	P _O	I _F =20mA		20.0		mW
Radiant Intensity	I _E	I _F =20mA		85		mW/sr
Brightness	I _V	I _F =20mA		7,000		mcd
Wavelength	λ _P	I _F =20mA	455	465	475	nm
	λ _D	I _F =20mA		470		nm
Half Width	Δλ	I _F =20mA		25		nm
Viewing Half Angle	θ _{1/2}	I _F =20mA		±8		deg.

‡Radiated Power is measured by S3584-08.

‡Brightness is measured by Tektronix J-16.