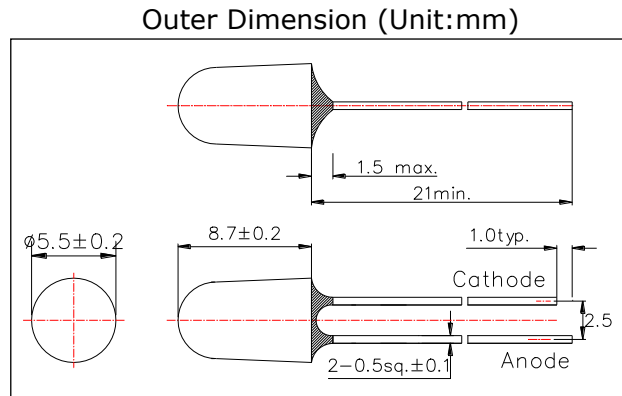


L470-06 Super Bright Blue LED

L470-06 is an InGaN LED mounted on a lead frame with a clear epoxy lens. This is designed for narrow viewing angle as $\pm 2^\circ$ in typical. On forward bias, it emits a band of visible light that peaks 470nm.

<Specifications>

1. Product Name: Blue LED Lamp
2. Type Number: L470-06
3. Chip:
 - Chip material: InGaN
 - Peak Wavelength: 470nm typ.
4. Package
 - Type: Φ5mm Clear Molding
 - Resin Material: Epoxy Resin
 - Lead Frame: Soldered(Lead Free)



Absolute Maximum Ratings [Ta=25°C]			
Item	Symbol	Maximum Rated Value	Unit
Power Dissipation	PD	200	mW
Forward Current	IF	50	mA
Reverse Voltage	VR	5	V
Junction Temperature	Tj	100	°C
Thermal Resistance*	Rthja	340	K/W
Operating Temperature	TOPR	-30 ~ +85	°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 3 second at 265°C.

Electro-Optical Characteristics [Ta=25°C]						
Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	IF=20mA		3.2	4.3	V
Reverse Current	IR	VR=5V			10	uA
Total Radiated Power*	PO	IF=20mA		10		mW
Brightness**	IV	IF=20mA		10,000		mcd
Peak Wavelength	λP	IF=20mA	460	470	480	nm
Half Width	$\Delta\lambda$	IF=20mA		20		nm
Viewing Half Angle	$\theta 1/2$	IF=20mA		± 2		deg

* Measured by Photyne #500

** Measured by Tektronix J-16

