L430-66-60

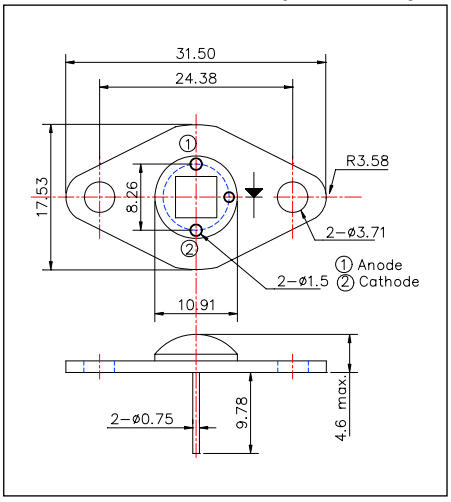
Epoxy Lens Type Blue Color Illuminator

L430-66-60 is a wide viewing and extremely high output power illuminator assembled with a total of 60 high efficiency InGaN diode chips, mounted on a metal stem TO-66 with AIN ceramics and covered with double coated clear silicone and epoxy resin. These devices are designed for high current operation with proper heat sinking to improve thermal conductive efficiency.

<Features>
- High Reliability
- Compact(TO-66) Package
- High Output Power at 430nm

<Specifications>
1. Product Name: Blue Color Illuminator
2. Type Number: L430-66-60
3. Chip:
   - Chip material: InGaN
   - Peak Wavelength: 430nm typ.
4. Package
   - Type: TO-66 Stem with AIN
   - Material: Copper
   - Lens: Clear Silicone and Epoxy Lens

Outer Dimension (Unit:mm)



Absolute Maximum Ratings[Ta=25℃]			
Item	Symbol	Maximum Rated Value	Unit
Power Dissipation	PD	12	W
Forward Current	IF	600	mA
Reverse Voltage	VR	30	V
Operating Temperature	TOPR	-30 ~ +80	℃
Storage Temperature	TSTG	-30 ~+100	℃
Soldering Temperature*	TSOL	265	℃

* Soldering condition must be completed within 3 second at 265 ℃.

Electro-Optical Characteristics						
Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	IF=400mA		19		V
Total Radiated Power*	PO	IF=400mA		800		mW
Radiant Intensity	IE	IF=400mA		270		mW/sr
Brightness	IV	IF=400mA		1500		mcd
Peak Wavelength	λP	IF=240mA		430		nm
Half Width	Δλ	IF=240mA		15		nm
Viewing Half Angle	θ1/2	IF=240mA		±55		deg

* Measured by S3684-08
LED is required to keep less than 60℃

RoHS Compliant

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