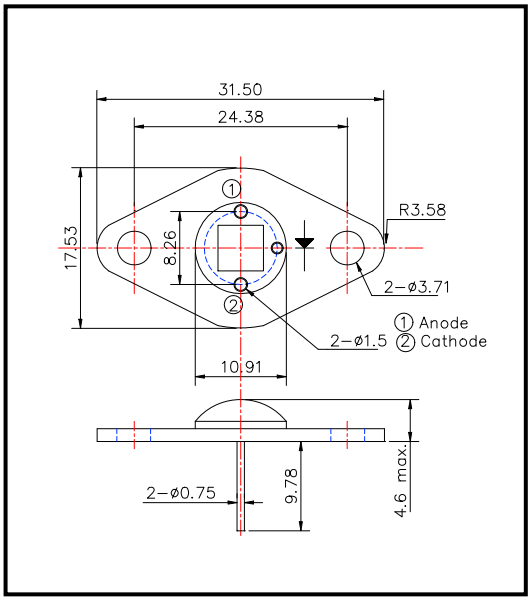
Lead (Pb) Free Product – RoHS Compliant

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 AlN 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.

♦Outer dimension (Unit: mm)



♦Features

1) High reliability
2) Compact (TO-66) package
3) High output power at 430nm

♦ Specifications

1) Product name	Blue color illuminator
2) Spec. No.	L430-66-60
3) Chip	
(1) Material	InGaN
(2) Peak wavelength	430m
4) Package	
(1) Stem	TO-66 stem with AlN
(2) Material	Copper
(3) Lens	Clear silicone and epoxy lens

♦Absolute Maximum Ratings

Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Power Dissipation	P_D	12.0	W	Ta=25°C
Forward Current	I_F	600	mA	Ta=25°C
Reverse Voltage	V_R	30	V	Ta=25°C
Operating Temperature	T_{OPR}	-30 ~ +80	°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℃

♦Electro-Optical Characteristics

Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V_F	I_F=400mA		19.0		V
Brightness	I_V	I_F=400mA		-		mcd
Total Radiated Power	P_O	I_F=400mA		550		mW
Radiant Intensity	I_E	I_F=400mA		-		mW/sr
Peak Wavelength	λ_P	I_F=240mA		430		nm
Half Width	$\Delta\lambda$	I_F=240mA		15		nm
Viewing Half Angle	$\theta_{1/2}$	I_F=240mA		±55		deg.

‡Total Radiated Power is measured by S3584-08
‡LED is required to keep less than 60°C.

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