

L560-66-60**Epoxy Lens Type Yellow Green Color Illuminator**

L560-66-60 is a wide viewing and extremely high output power illuminator assembled with a total of 60 high efficiency GaP 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.

<Features>

- High Reliability
- Compact(TO-66) Package
- High Output Power at 560nm

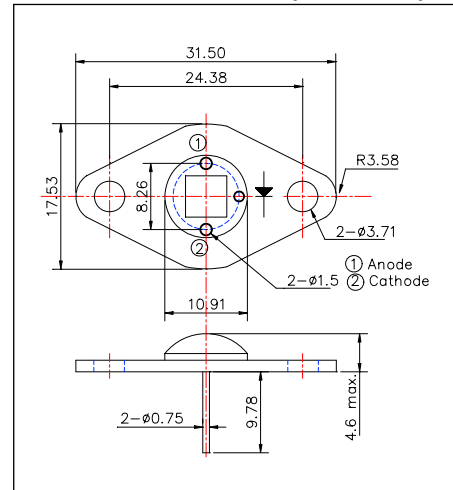
<Application>

- For High Intensity Lighting Source

<Specifications>

1. Product Name: Yellow Green Color Illuminator
2. Type Number: L560-66-60
3. Chip:
 - Chip material: GaP
 - Peak Wavelength: 560nm typ.
4. Package
 - Type: TO-66 Stem with AlN
 - Lens: Clear Epoxy Lens

Outer Dimension (Unit:mm)

**Absolute Maximum Ratings[Ta=25°C]**

Item	Symbol	Maximum Rated Value	Unit
Power Dissipation	PD	6.5	W
Forward Current	IF	500	mA
Pulse Forward Current*	IFP	600	mA
Reverse Voltage	VR	50	V
Junction Temperature**	Tj	100	°C
Thermal Resistance	Rthjp	8	K/W
Operating Temperature	TOPR	-30 ~ +85	°C
Storage Temperature	TSTG	-30 ~ +110	°C
Soldering Temperature***	TSOL	265	°C

* Duty=1% and Pulse Width=1us

** Soldering condition must be completed within 3 second at 260 °C.

*** Junction - Package, mounted on heat sink

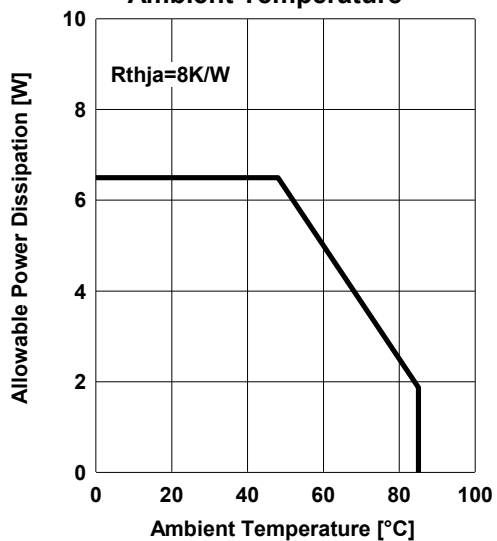
Electro-Optical Characteristics

Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	IF=240mA		11.0		V
Total Radiated Power	PO	IF=240mA		8		mW
Brightness	IV	IF=240mA		1250		mcad
Reverse Current	VR	IR=10uA	50			V
Peak Wavelength	λP	IF=240mA	550	560	575	nm
Half Width	Δλ	IF=240mA		15		nm
Viewing Half Angle	θ1/2	IF=240mA		±65		deg

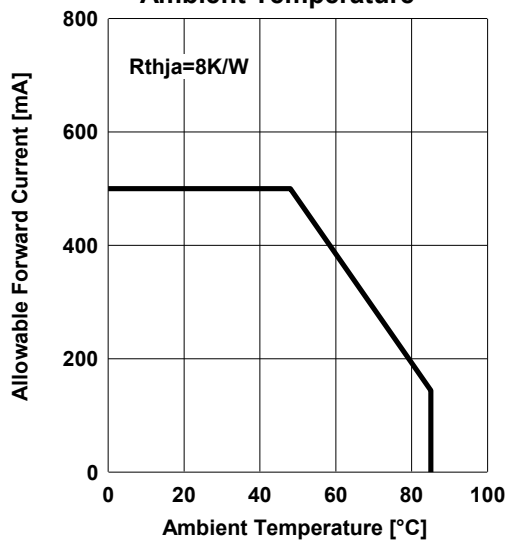
Heat sink is required thermal resistance <8K/W



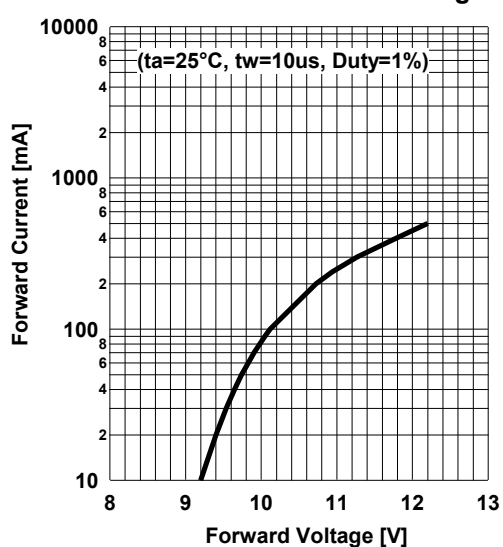
Allowable Power Dissipation - Ambient Temperature



Allowable Forward Current - Ambient Temperature



Forward Current - Forward Voltage



Relative Radiant Intensity - Forward Current

