L660N-66-16100

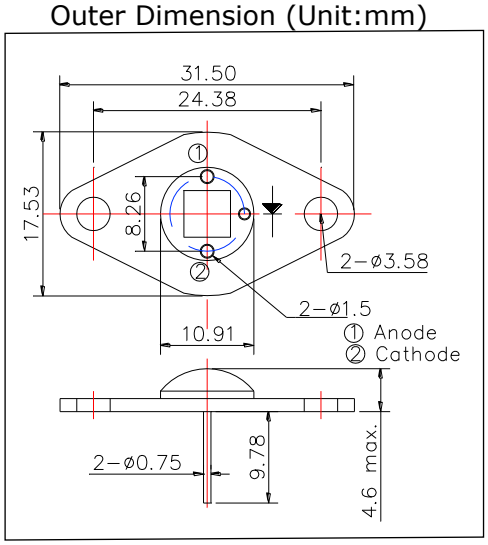
Epoxy Lens Type Red Color Illuminator

L660N-66-16100 is composed of 1mmx1mm high current drive AlGaInP die by 16pcs and mounted on a metal stem TO-66 and covered with silicone resin.
It is designed for extremely high output power illuminator assembled.

<Features>
- High Current Use
- High Reliability
- High Output Power at 660nm

<Specifications>
1. Product Name: Red Color Illuminator
2. Type Number: L660N-66-16100
3. Chip:
   - Chip material: AlGaInP
   - Dimension: 1mmx1mm
   - Peak Wavelength: 660nm typ.
4. Package
   - Type: TO-66 Stem
   - Lens: Silicone and/or Epoxy Resin

Outer Dimension (Unit:mm)



Absolute Maximum Ratings[Ta=25℃]			
Item	Symbol	Maximum Rated Value	Unit
Power Dissipation	PD	15	W
Forward Current	IF	1.4	A
Reverse Voltage	VR	20	V
Operating Temperature	TOPR	-40 ~ +85	℃
Storage Temperature	TSTG	-40 ~ +100	℃
Soldering Temperature*	TSOL	265	℃

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

Electro-Optical Characteristics [Ta=25℃]						
Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	IF=1.4A		9.2		V
Radiated Power*	PO	IF=1.4A		2.8		W
Peak Wavelength	λP	IF=1.4A		660		nm
Half Width	Δλ	IF=1.4A		17		nm
Viewing Half Angle	θ1/2	IF=100mA		±63		deg

* Measured by S3584-08

RoHS Compliant

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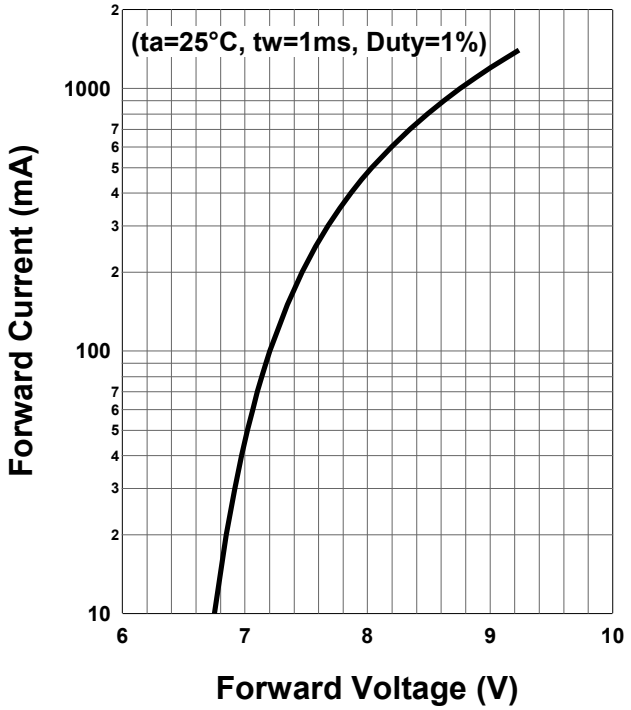
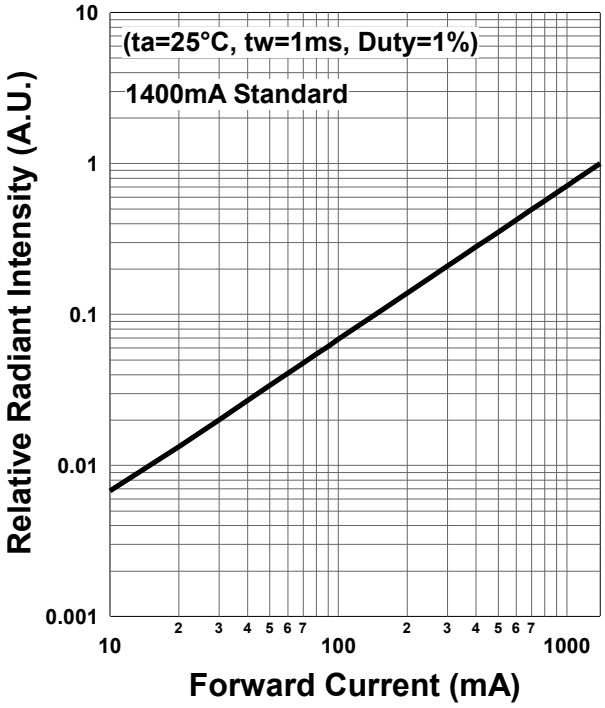
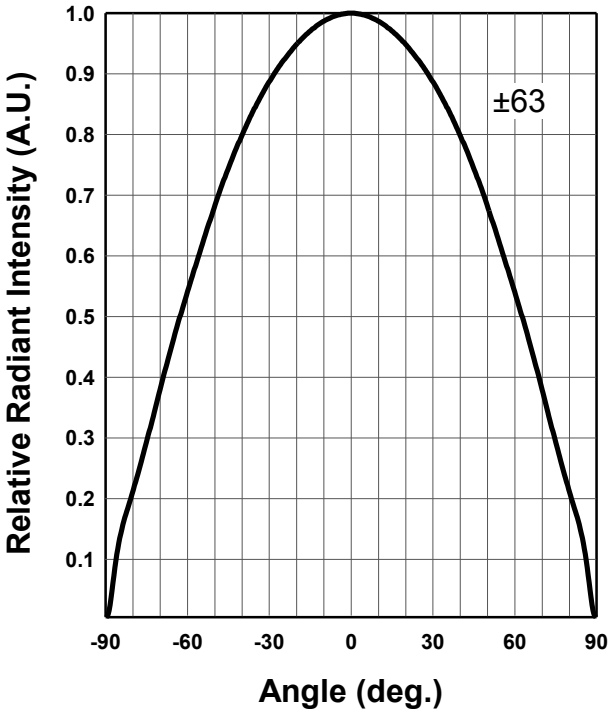
Forward Curent - Forward Voltage



Relative Radiant Intensity - Forward Current



Radiation Characteristics



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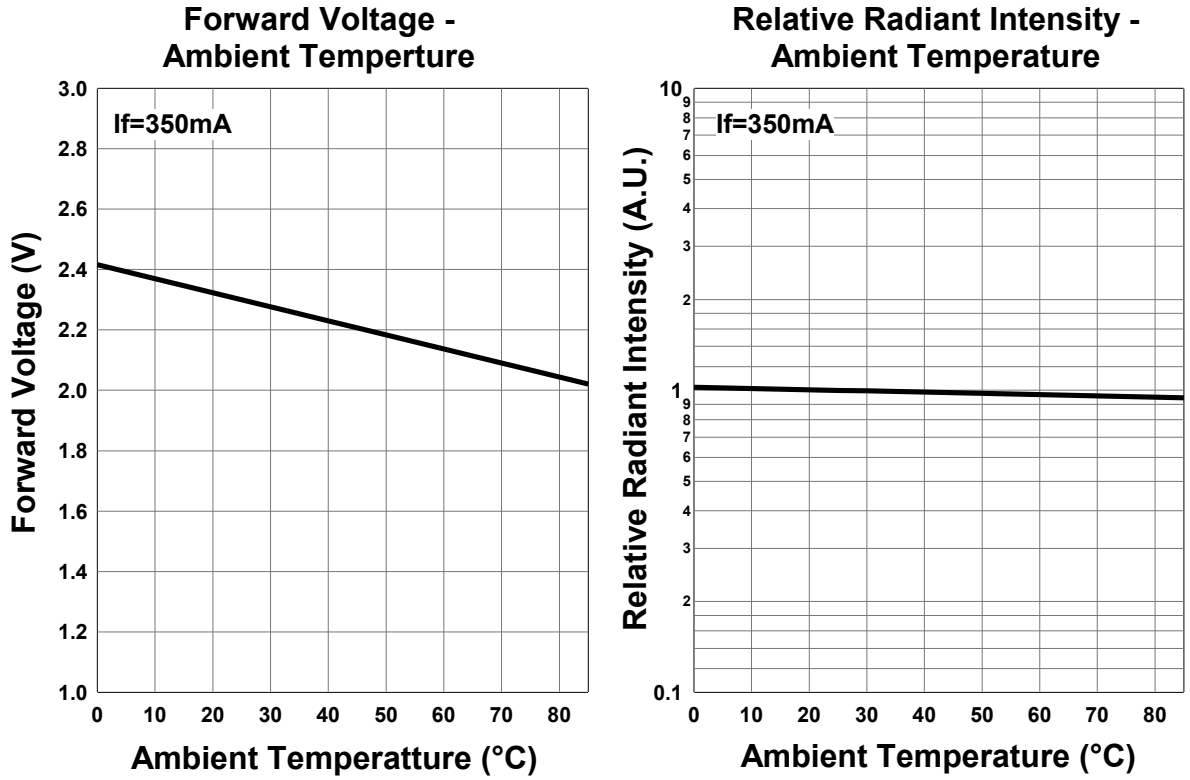
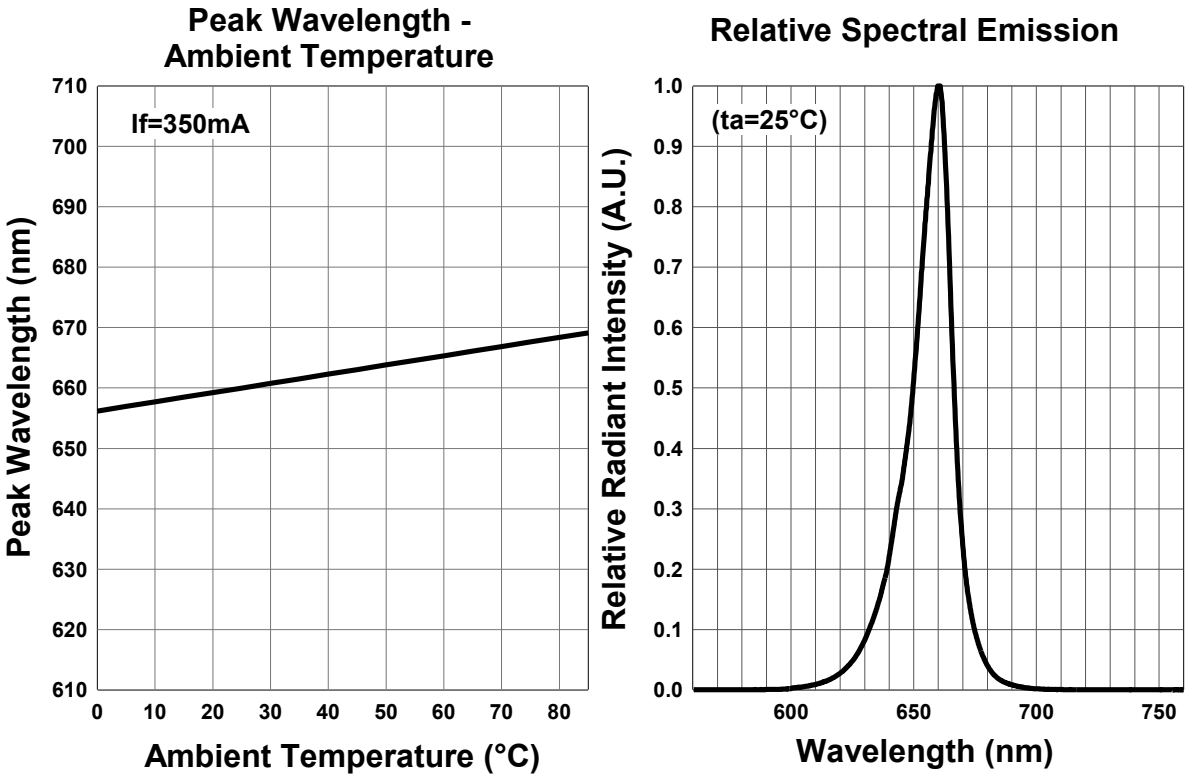
*The data below shows the characteristics of one representativeTO-66 chip.





Disclaimer

Product specifications and data shown in this product catalog are subject to change without notice for the purposes of improving product performance, reliability, design, or otherwise.

Product data and parameters in this catalog are typical values based on reasonably up-to-date measurements. Product data and parameters may vary by user application and over time.

Products shown in this catalog are intended to be used for general electronic equipment. Products are not guaranteed for applications where product malfunction or failure may cause personal injury or death, including but not limited to life-supporting / saving devices, medical devices, safety devices, airplanes, aerospace equipment, automobiles, traffic control systems, and nuclear reactor control systems.

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