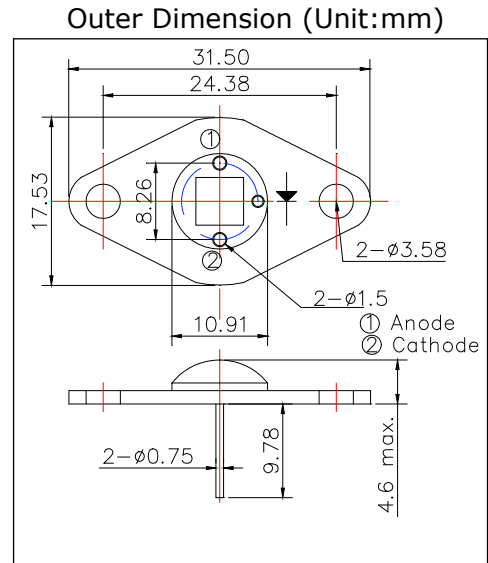


L680D-66-16100
Red Color Illuminator

<Specifications>

1. Product Name: Red Color Illuminator
2. Type Number: L680D-66-16100
3. Chip:
 - Chip material: AlGaInP
 - Dimension: 1000um x 1000um
 - Peak Wavelength: 680nm typ.
 - Number of Chips: 16pcs
4. Package
 - Type: TO-66 Stem
 - Lens: Silicone and/or Epoxy Resin



Absolute Maximum Ratings[Ta=25°C]			
Item	Symbol	Maximum Rated Value	Unit
Power Dissipation	PD	30	W
Forward Current	IF	2400	mA
Reverse Voltage	VR	20	V
Junction Temperature	Tj	120	°C
Operating Temperature	TOPR	-40 ~ +100	°C
Storage Temperature	TSTG	-40 ~+100	°C
Soldering Temperature*	TSOL	265	°C

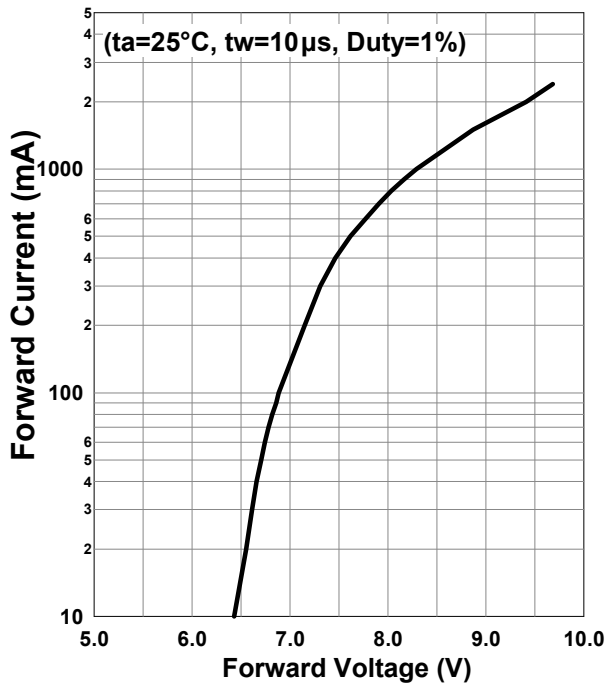
* Soldering condition must be completed within 3 second at 265 °C.

Electro-Optical Characteristics [Ta=25°C]						
Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	IF=2400mA		9.7	12.0	V
Total Radiated Power*	PO	IF=2400mA		5900		mW
Peak Wavelength	λP	IF=2400mA	670		690	nm
Half Width	Δλ	IF=2400mA		21		nm
Viewing Half Angle	θ1/2	IF=100mA		±62		deg
Rise Time	tr	IF=2400mA		70		ns
Fall Time	tf	IF=2400mA		90		ns

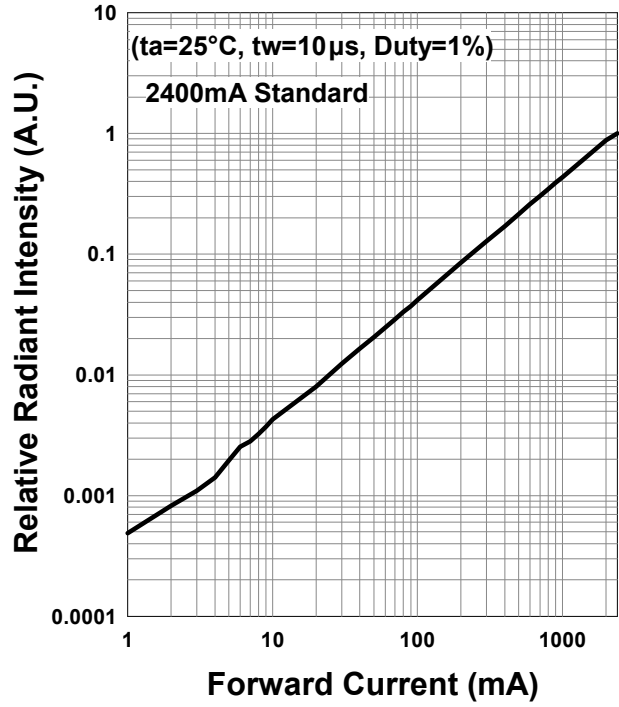
* Measured by S3584-08



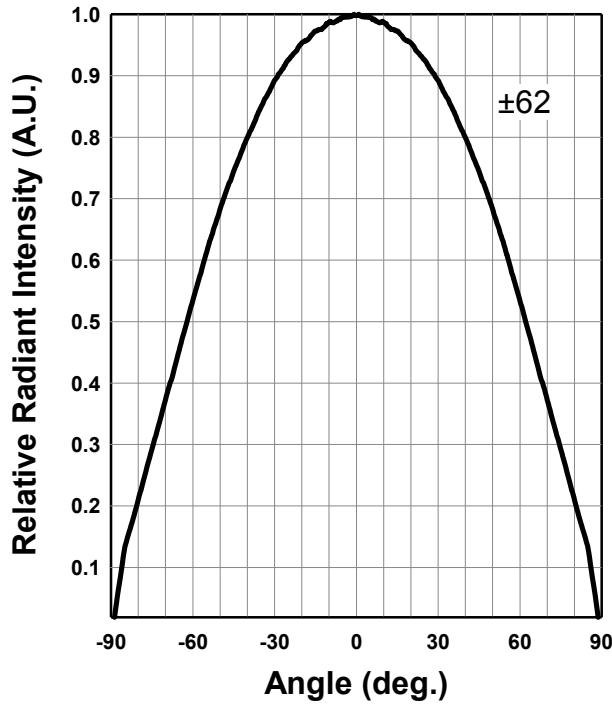
Forward Current - Forward Voltage

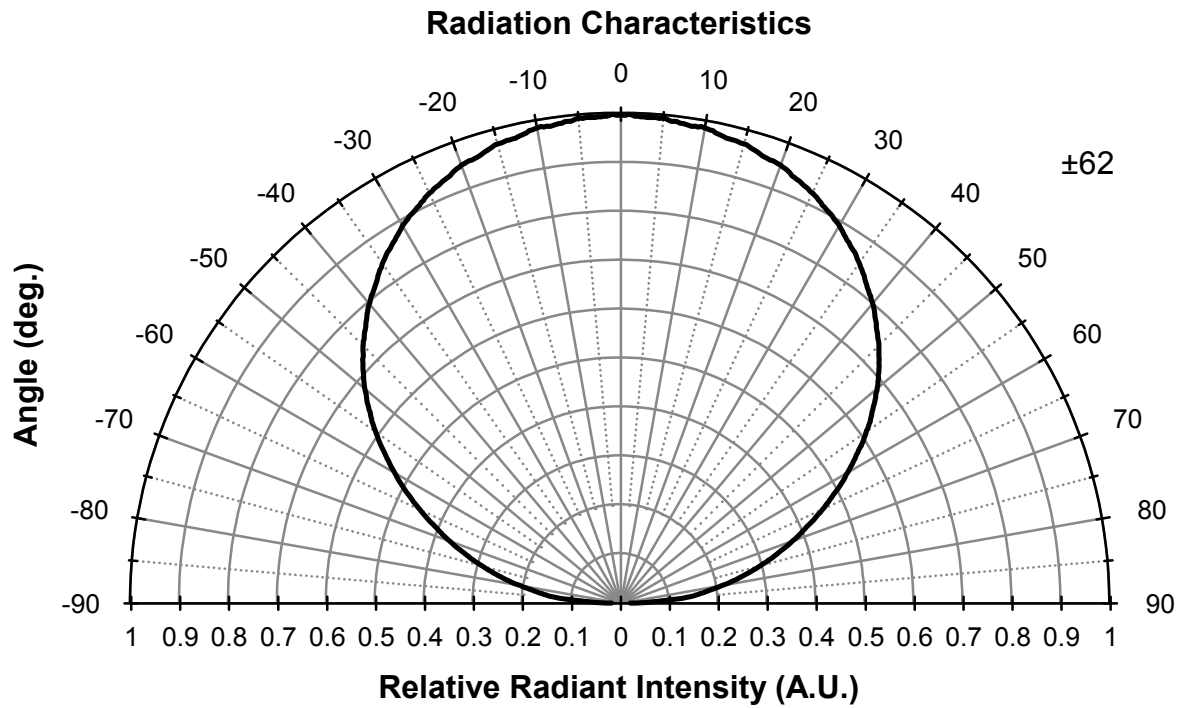


Relative Radiant Intensity - Forward Current

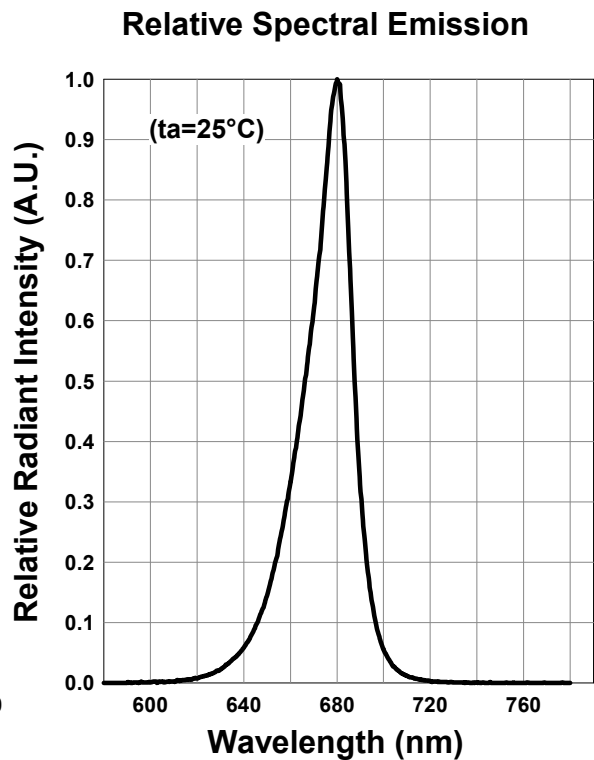
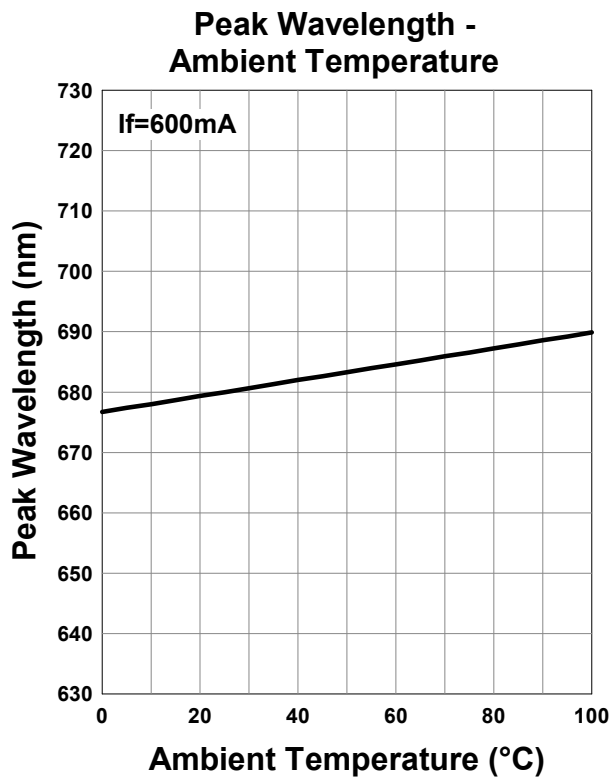
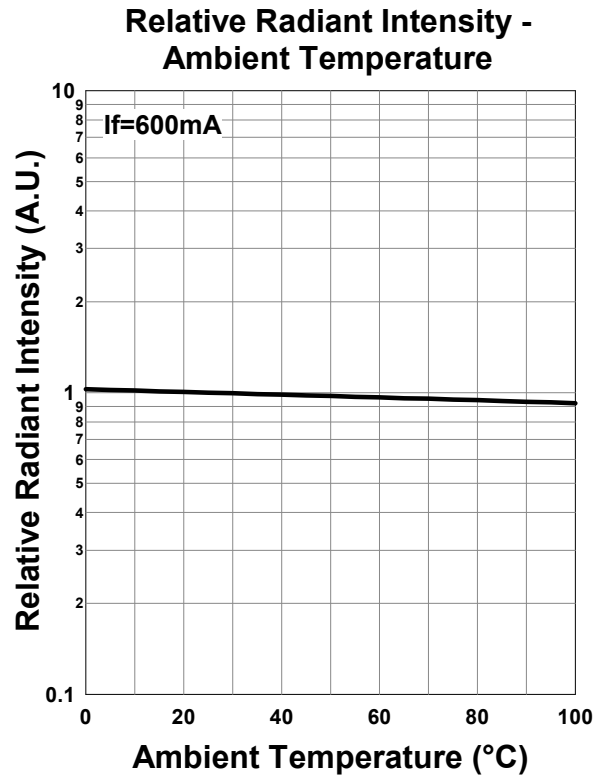
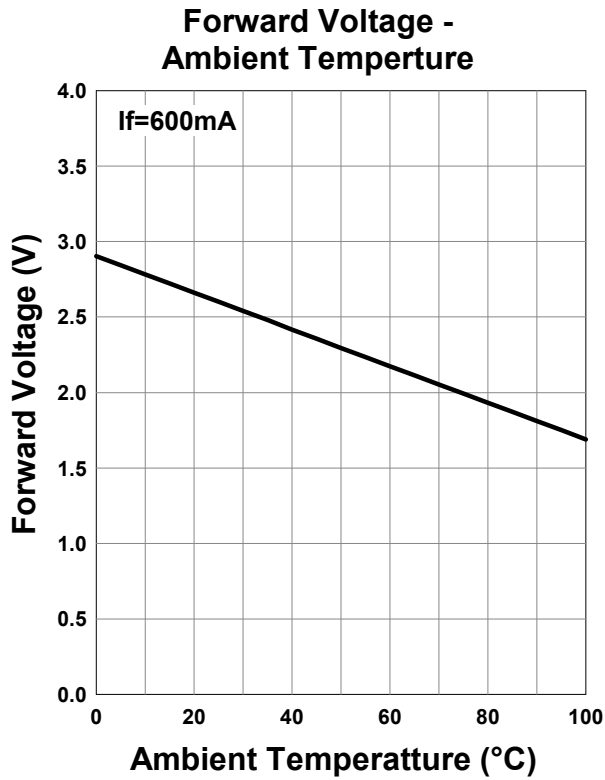


Radiation Characteristics





*The data below shows the characteristics of one representative TO-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.

2016.04