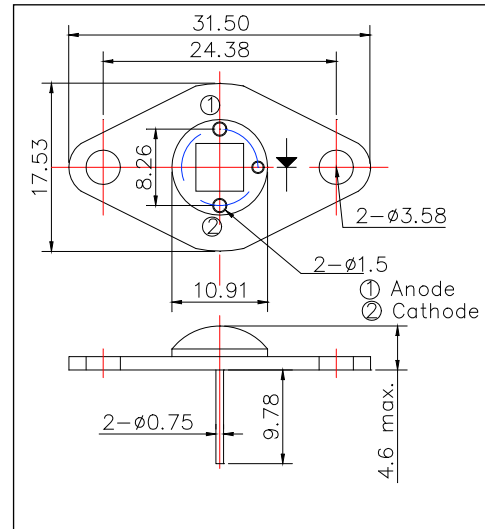


L740D-66-16100
Infrared Illuminator

<Specifications>

- Chip Material: AlGaInP
- Chip Dimension: 1000um x 1000um
- Number of Chips: 16pcs
- Peak Wavelength: 740nm typ.
- Stem: TO-66 Stem
- Lens: Silicone and/or Epoxy Resin

Outer Dimension (Unit:mm)



Absolute Maximum Ratings[Tc=25°C]			
Item	Symbol	Maximum Rated Value	Unit
Power Dissipation	PD	32	W
Forward Current	IF	3200	mA
Reverse Voltage	VR	20	V
Junction Temperature	Tj	120	°C
Operating Temperature	TOPR	-40 ~ +85	°C
Storage Temperature	TSTG	-40 ~+100	°C
Soldering Temperature*	TSOL	265	°C

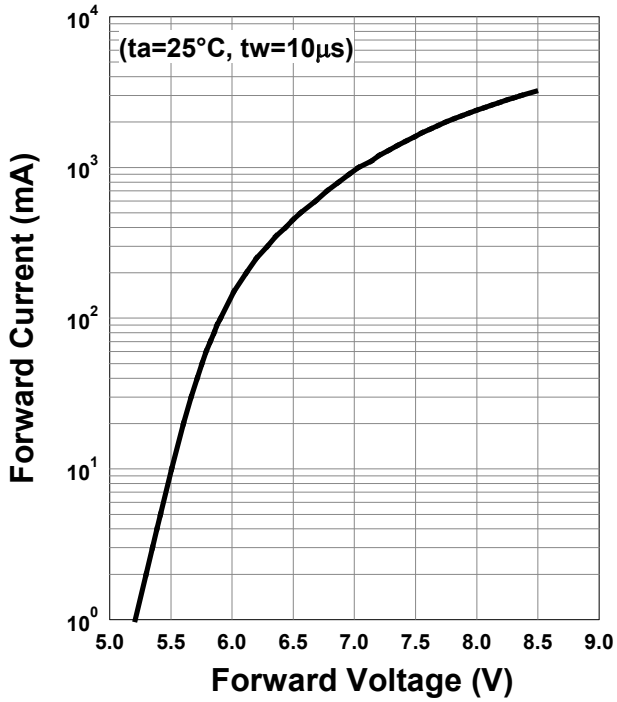
* Soldering condition must be completed within 3 second at 265 °C.

Electro-Optical Characteristics [Ta=25°C]						
Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	IF=2400mA		8.0	9.6	V
Total Radiated Power*	PO	IF=2400mA		4500		mW
Peak Wavelength	λP	IF=2400mA	730		750	nm
Half Width	Δλ	IF=2400mA		27		nm
Viewing Half Angle	θ1/2	IF=100mA		±64		deg
Rise Time	tr	IF=2400mA		30		ns
Fall Time	tf	IF=2400mA		20		ns

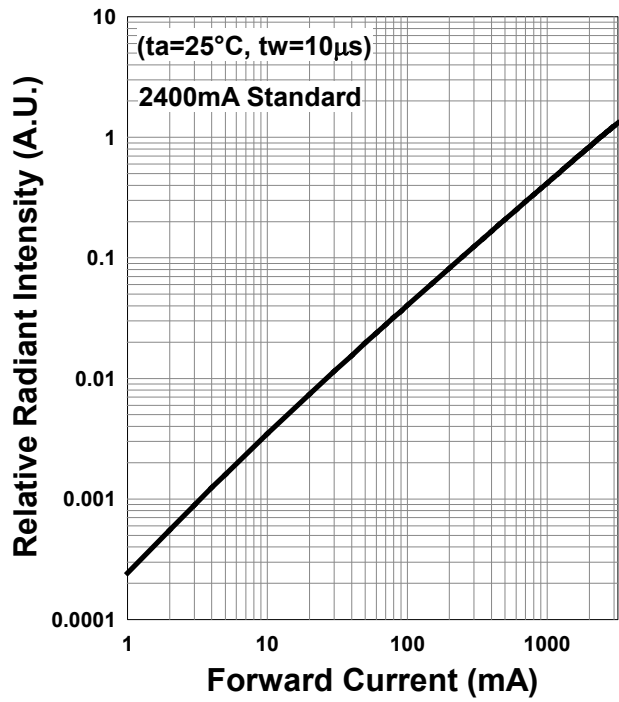
* Measured by S3584-08



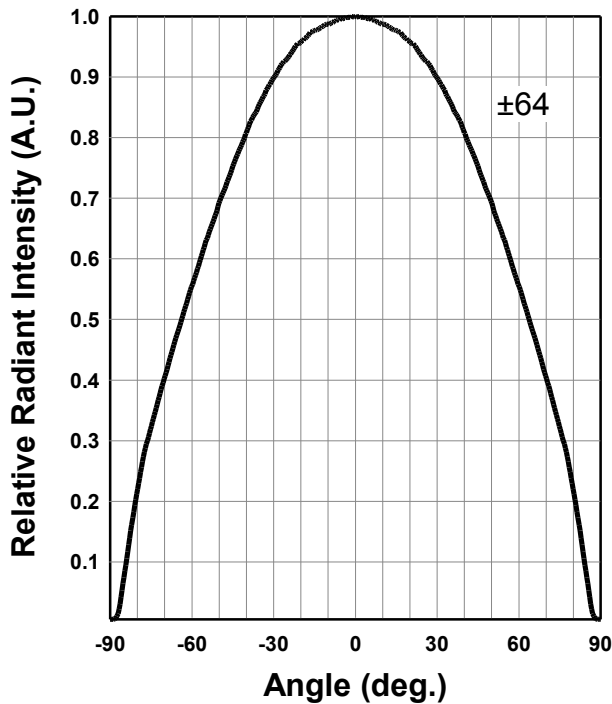
Forward Current - Forward Voltage

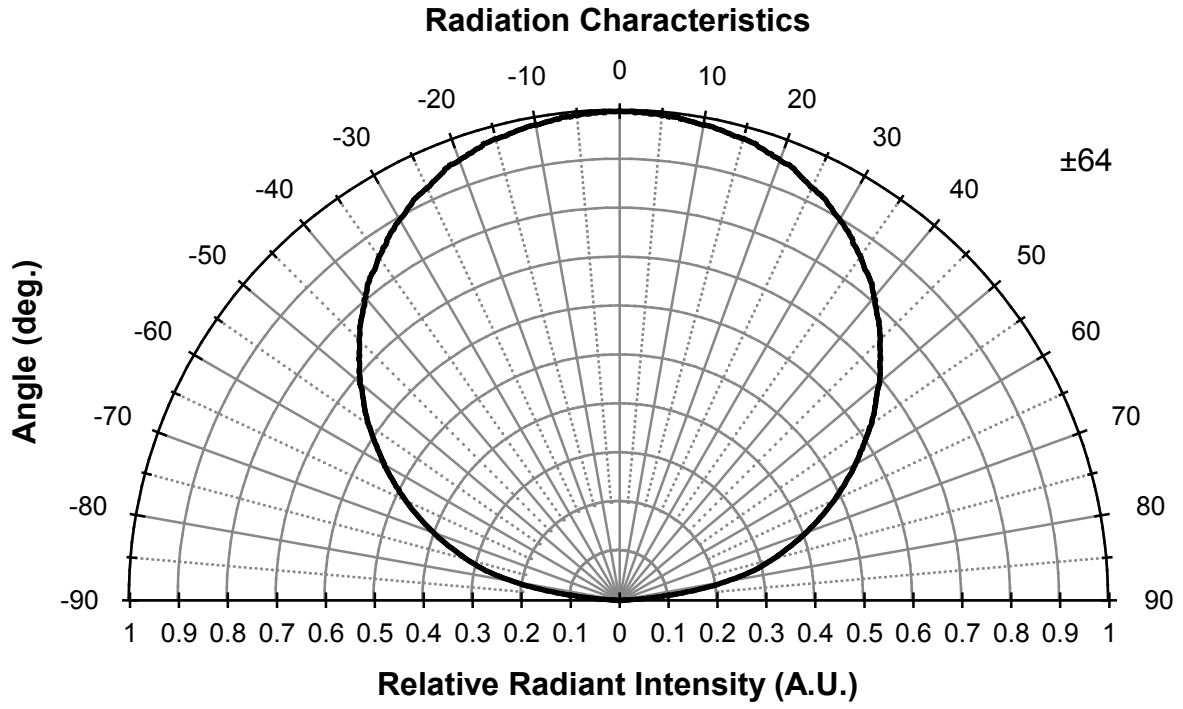


Relative Radiant Intensity - Forward Current

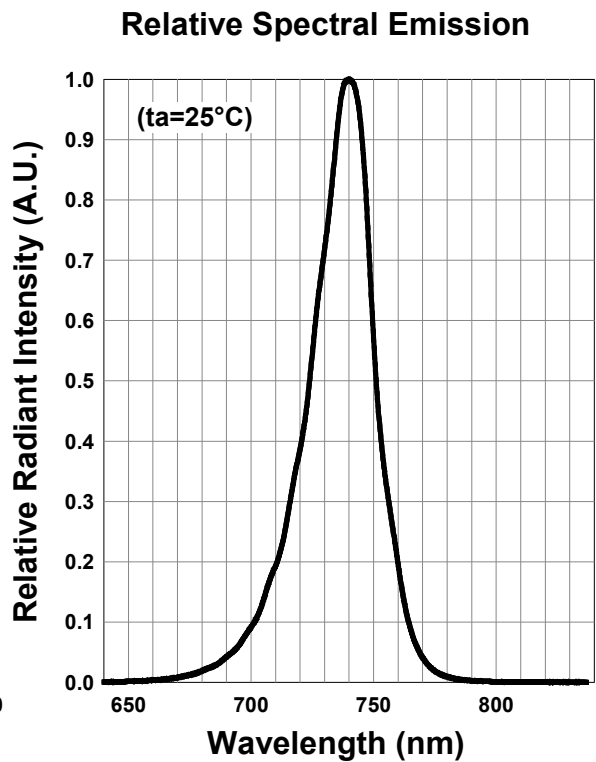
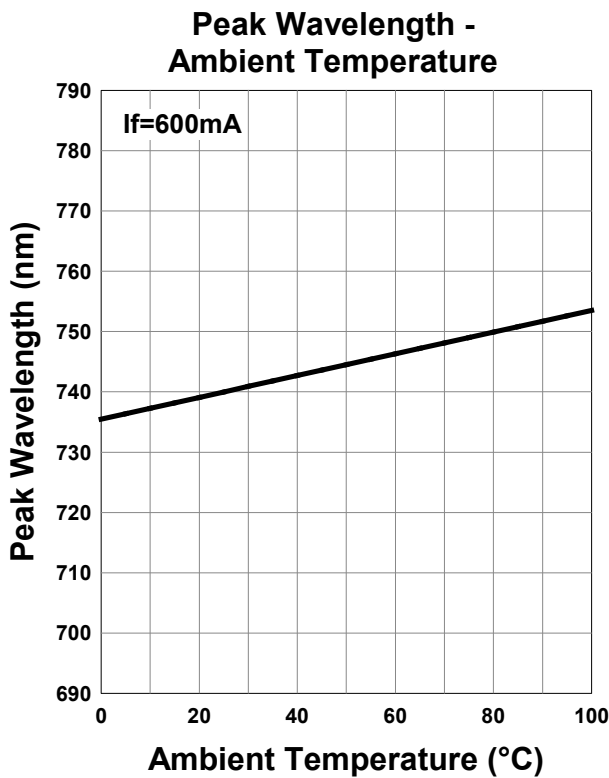
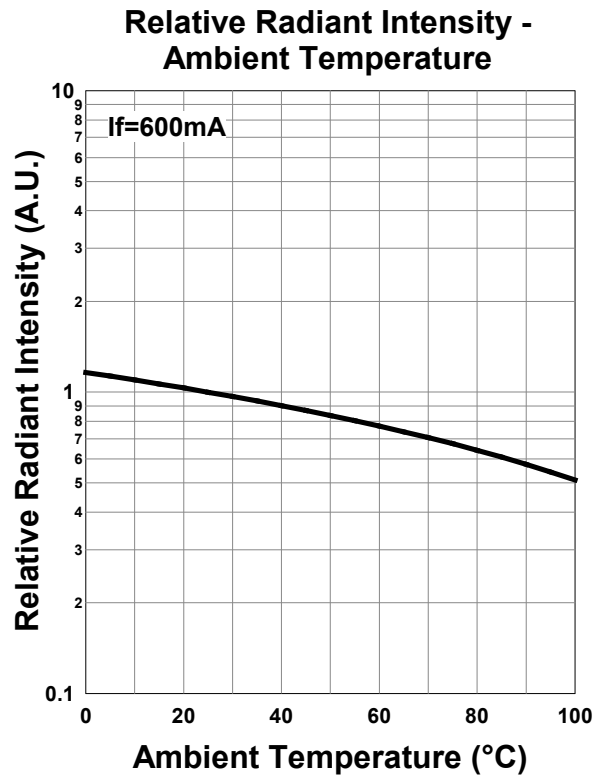
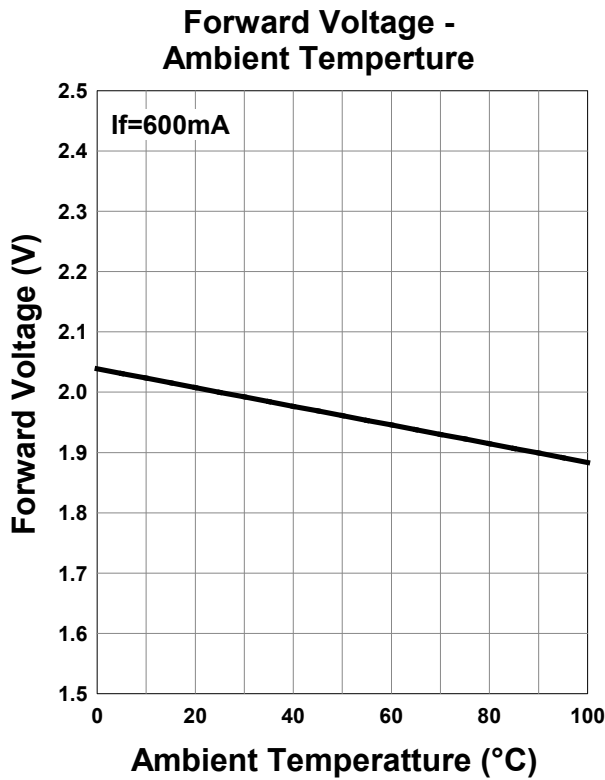


Radiation Characteristics





*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.

2016.06