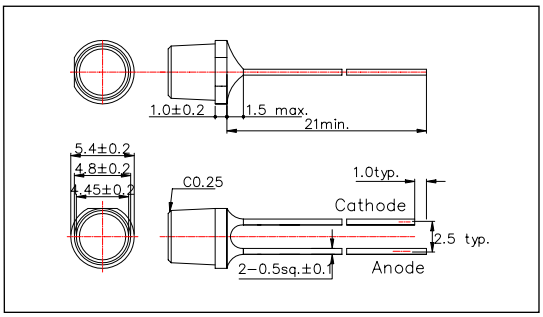
L760-05AU

Infrared LED Lamp

<Specifications>

- Chip Material: AlGaAs
- Peak Wavelength: 760nm typ.
- Package Type: Φ5mm Clear Flat Molding
- Lead Frame: Soldered (Lead Free)
- Lens: Epoxy Resin

Outer Dimension (Unit:mm)



Absolute Maximum Ratings[Ta=25℃]			
Item	Symbol	Maximum Rated Value	Unit
Power Dissipation	PD	200	mW
Forward Current	IF	100	mA
Pulse Forward Current*	IFP	500	mA
Reverse Voltage	VR	5	V
Operating Temperature	TOPR	-30 ~ +85	℃
Storage Temperature	TSTG	-30 ~ +100	℃
Soldering Temperature**	TSOL	265	℃

* Duty=1% and Pulse Width=10us.
** 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=50mA		1.85	2.00	V
Reverse Current	IR	VR=5V			10	uA
Total Radiated Power*	PO	IF=50mA	13	18		mW
Radiant Intensity**	IE	IF=50mA	5	10		mW/sr
Peak Wavelength	λP	IF=50mA	740	760	780	nm
Half Width	Δλ	IF=50mA		30		nm
Viewing Half	θ1/2	IF=50mA		±40		deg
Rise Time	tr	IF=50mA		80		ns
Fall Time	tf	IF=50mA		80		ns

* Measured by Photodyne #500
** Measured by Tektronix J-6512

RoHS Compliant

The product is manufactured by USHIO Inc. and the spec information is also from USHIO Inc.

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