

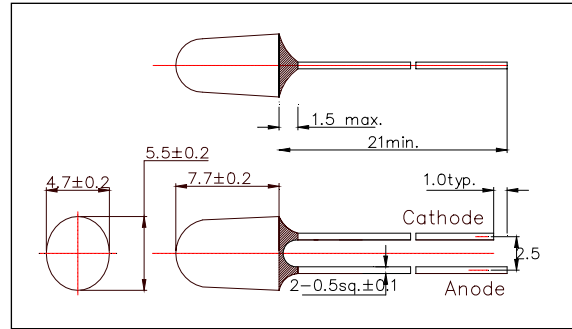
**L565-09U**  
Yellow Green LED Lamp

L565-09U is an InGaN LED mounted on a lead frame with a clear epoxy resin. On forward bias, it emits a band of visible light that peaks 565nm.

<Specifications>

1. Product Name: Yellow Green LED Lamp
2. Type Number: L565-09U
3. Chip:
  - Chip material: InGaN
  - Peak Wavelength: 565nm typ.
4. Package
  - Type: Φ5mm Clear Molding
  - Resin Material: Epoxy Resin
  - Lead Frame: Soldered(Lead Free)

Outer Dimension (Unit:mm)



Absolute Maximum Ratings				
Item	Symbol	Maximum Rated Value	Unit	Ambient Temp.
Power Dissipation	PD	85	mW	Ta=25°C
Forward Current	IF	30	mA	Ta=25°C
Reverse Voltage	VR	5	V	Ta=25°C
Operating Temperature	TOPR	-30 ~ +85	°C	
Storage Temperature	TSTG	-30 ~ +100	°C	
Soldering Temperature*	TSOL	260	°C	

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

Electro-Optical Characteristics [Ta=25°C]						
Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	IF=20mA		2.2	2.4	V
Reverse Current	IR	VR=5V			10	uA
Total Radiated Power	PO	IF=20mA		0.2		mW
Brightness*	IV	IF=20mA		400		mcd
Peak Wavelength	λP	IF=20mA	555	565	575	nm
Half Width	Δλ	IF=20mA		25		nm
Viewing Half Angle	Long	θ1/2	IF=20mA		±25	deg
	Short				±15	

\* Measured by Tektronix J-16

