

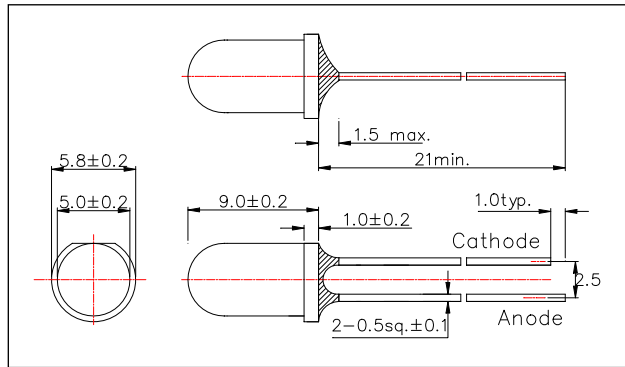
L525-01 High Bright Green LED Lamp

L525-01 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 525nm.

<Specifications>

1. Product Name: Green LED Lamp
2. Type Number: L525-01
3. Chip:
 - Chip material: InGaN
 - Peak Wavelength: 525nm typ.
4. Package
 - Type: Φ5mm Clear Molding
 - Resin Material: Epoxy Resin
 - Lead Frame: Soldered(Lead Free)

Outer Dimension (Unit:mm)



Absolute Maximum Ratings[Ta=25°C]			
Item	Symbol	Maximum Rated Value	Unit
Power Dissipation	PD	180	mW
Forward Current	IF	50	mA
Reverse Voltage	VR	5	V
Operating Temperature	TOPR	-30 ~ +80	°C
Storage Temperature	TSTG	-30 ~ +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=20mA		3.3	4.3	V	
Reverse Current	IR	VR=5V			10	uA	
Total Radiated Power*	PO	IF=20mA		7		mW	
Radiant Intensity	IE	IF=20mA		35		mW/sr	
Brightness**	IV	IF=20mA		20,000		mcd	
Wavelength	Peak	λP	IF=20mA	520	525	530	nm
	Dominant	λD	IF=20mA		535		
Half Width	Δλ	IF=20mA		35		nm	
Viewing Half Angle	θ1/2	IF=20mA		±9		deg	

* Measured by Photodyne #500

** Measured by Tektronix J-16

