

L525-05

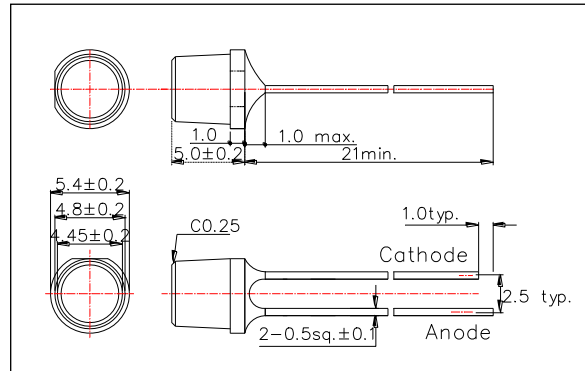
High Bright Green LED Lamp

L525-05 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: L525-05
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
Junction Temperature	Tj	100	°C
Thermal Resistance*	Rthja	330	K/W
Operating Temperature	TOPR	-30 ~ +85	°C
Storage Temperature	TSTG	-40 ~ +100	°C
Soldering Temperature**	TSOL	265	°C

* Junction - ambient, leads 7mm, soldered on PCB

** 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		3.1	4.0	V
Reverse Current	IR	VR=5V			10	uA
Total Radiated Power*	PO	IF=20mA		8.0		mW
Brightness**	IV	IF=20mA		1500		mcd
Peak Wavelength	λP	IF=20mA	515	525	535	
Half Width	Δλ	IF=20mA		35		nm
Viewing Half Angle	θ1/2	IF=20mA		±45		deg

* Measured by PD S3584-08

** Measured by Tektronix J-6501

