

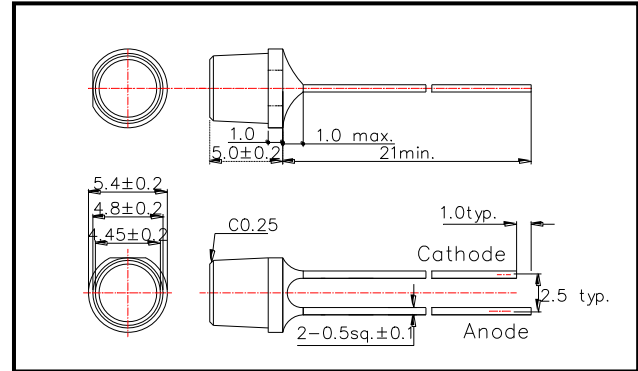
L525-05 Super Bright Green LED

L525-05 is an InGaN LED mounted on a lead frame with a clear epoxy lens and. On forward bias it emits a spectral band of radiation, which peaks at 525nm.

◆ Specifications

- 1)Product Name Blue LED Lamp
- 2)Type No. L525-05
- 3)Chip
- (1)Chip Material InGaN
- (2)Peak Wavelength 525nm typ.
- 4)Package
- (1)Type Φ5mm clear molding
- (2)Resin Material Epoxy Resin
- (3)Lead Frame Soldered(Lead Free)

◆ Outer dimension(Unit: mm)



◆ Absolute Maximum Ratings

Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Power Dissipation	P _D	180	mW	T _a =25°C
Forward Current	I _F	50	mA	T _a =25°C
Reverse Voltage	V _R	5	V	T _a =25°C
Junction Temperature	T _J	100	°C	
Thermal Resistance	R _{thjp}	330	K/W	
Operating Temperature	T _{OPR}	-30 ~ +85	°C	
Storage Temperature	T _{STG}	-40 ~ +100	°C	
Soldering Temperature	T _{SOL}	265	°C	

‡Soldering condition: Soldering condition must be completed within 3 seconds at 265°C
 ‡Thermal resistance: junction – ambient, leads 7mm, soldered on PCB

◆ Electro-Optical Characteristics [T_a=25°C]

Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V _F	I _F =20mA DC		3.1	4.0	V
Reverse Current	I _R	V _R =5V			10	uA
Total Radiated Power	P _O	I _F =20mA DC		8.0		mW
Brightness	I _v	I _F =20mA DC		1500		mcd
Peak Wavelength	λ _P	I _F =20mA DC	515	525	535	nm
Half Width	Δλ	I _F =20mA DC		35		nm
Viewing Half Angle	θ _{1/2}	I _F =20mA DC		±45		deg.

‡Total Radiated Power is measured by PD S3584-08.
 ‡Brightness is measured by Tektronix J-6501.