

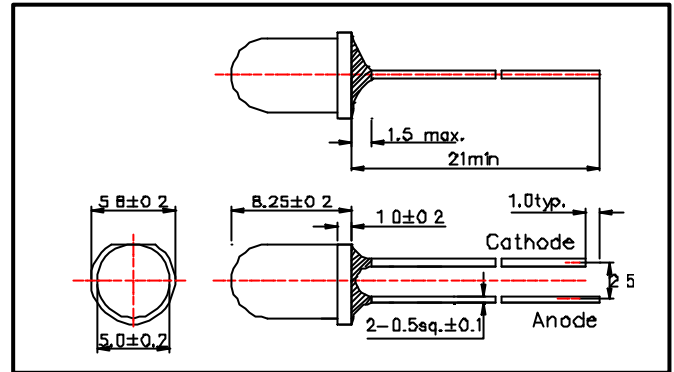
L505-03U High Bright Bluish Green LED Lamp

L505-03U is an InGaN LED mounted on a lead frame with a clear epoxy lens. On forward bias it emits a band of visible light, which peaks 505nm.

Specifications

1) Product Name	Bluish Green LED Lamp
2) Type No.	L505-03U
3) Chip	
(1) Chip Material	InGaN
(2) Peak Wavelength	505nm typ.
4) Package	
(1) Type	\varnothing 5mm clear molding
(2) Resin Material	Epoxy Resin
(3) Lead Frame	Soldered

Outer dimension (Unit: mm)



Absolute Maximum Ratings

Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Power Dissipation	P _D	120	mW	T _a =25°C
Forward Current	I _F	30	mA	T _a =25°C
Reverse Voltage	V _R	5	V	T _a =25°C
Operating Temperature	T _{OPR}	-30 ~ +85	°C	
Storage Temperature	T _{STG}	-30 ~ +100	°C	
Soldering Temperature	T _{SOL}	260	°C	

‡Soldering condition: Soldering condition must be completed within 3 seconds at 260°C

Electro-Optical Characteristics

Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V _F	I _F =20mA		3.5	4.3	V
Reverse Current	I _R	V _R =5V			10	uA
Total Radiated Power	P _O	I _F =20mA		1.3		mW
Brightness	I _v	I _F =20mA		1700		mcd
Peak Wavelength	λ_P	I _F =20mA	495	505	515	nm
Half Width	$\Delta\lambda$	I _F =20mA		30		nm
Viewing Half Angle	$\Theta_{1/2}$	I _F =20mA		±12		deg.

‡Brightness is measured by Tektronix J-16.

‡Total Radiated Power is measured by Photodyne #500