

L525-03V Super Bright Green LED

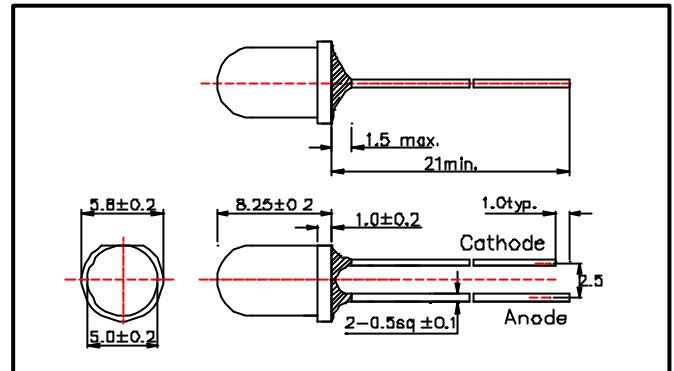
L525-03V is an InGaN LED mounted on a lead frame with a clear epoxy lens.

On forward bias it emits a band of visible light, which peaks 525nm.

Specifications

1) Product Name	Blue LED Lamp
2) Type No.	L525-03V
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

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 ~ +80	°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		3.5		mW
Brightness	I _v	I _F =20mA		8,000		mcd
Peak Wavelength	λ _P	I _F =20mA	515	525	535	nm
Half Width	Δλ	I _F =20mA		40		nm
Viewing Half Angle	Θ _{1/2}	I _F =20mA		±12		deg.

‡Brightness is measured by Tektronix J-16.

‡Total Radiated Power is measured by Photodyne #500