

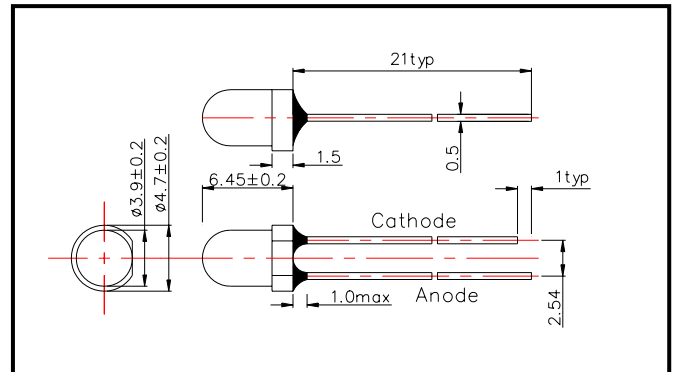
L570-42V High Bright Green LED

L570-42V is an InGaAlP LED mounted on a lead frame with a clear epoxy lens. On forward bias it emits a band of visible light, which peaks 570nm.

◆ Specifications

- 1) Product Name Green LED Lamp
- 2) Type No. L570-42V
- 3) Chip
- (1) Chip Material InGaAlP
- (2) Peak Wavelength 570nm typ.
- 4) Package
- (1) Type Φ4mm 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	110	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
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		2.0	2.2	V
Reverse Current	I _R	V _R =5V			10	uA
Total Radiated Power	P _O	I _F =20mA	0.2	0.5		mW
Radiant Intensity	I _E	I _F =20mA		0.4		mW/sr
Brightness	I _V	I _F =20mA				mcd
Peak Wavelength	λ _P	I _F =20mA	560	570	580	nm
Half Width	Δλ	I _F =20mA		15		nm
Viewing Half Angle	θ _{1/2}	I _F =20mA		±22		deg.

‡Brightness is measured by Tektronix J-16.

‡Total Radiated Power is measured by Photodyne #500