

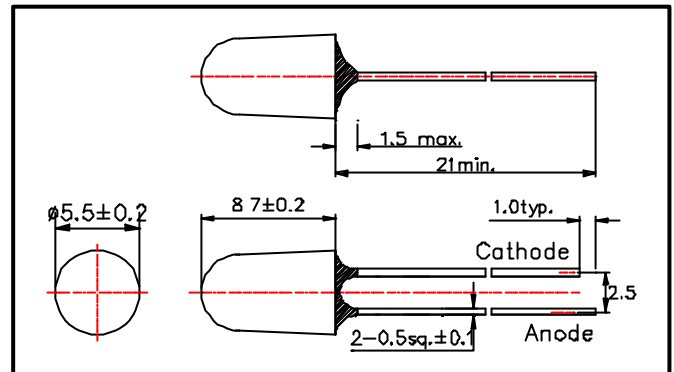
L570-06V High Bright Green LED

L570-06V is an AlGaInP 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.	L570-06V
3) Chip	
(1) Chip Material	AlGaInP
(2) Peak Wavelength	570nm 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	110	mW	$T_a=25^\circ\text{C}$
Forward Current	I_F	50	mA	$T_a=25^\circ\text{C}$
Reverse Voltage	V_R	5	V	$T_a=25^\circ\text{C}$
Operating Temperature	T_{OPR}	-30 ~ +85	$^\circ\text{C}$	
Storage Temperature	T_{STG}	-30 ~ +100	$^\circ\text{C}$	
Soldering Temperature	T_{SOL}	260	$^\circ\text{C}$	

‡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	$I_F=20\text{mA}$		2.2	2.4	V
Reverse Current	I_R	$V_R=5\text{V}$			10	μA
Total Radiated Power	P_O	$I_F=20\text{mA}$		0.6		mW
Brightness	I_V	$I_F=20\text{mA}$		7000		mcd
Peak Wavelength	λ_P	$I_F=20\text{mA}$	560	570	580	nm
Half Width	$\Delta\lambda$	$I_F=20\text{mA}$		15		nm
Viewing Half Angle	$\Theta_{1/2}$	$I_F=20\text{mA}$		± 3		deg.

‡Brightness is measured by Tektronix J-16.

‡Total Radiated Power is measured by Photodyne #500