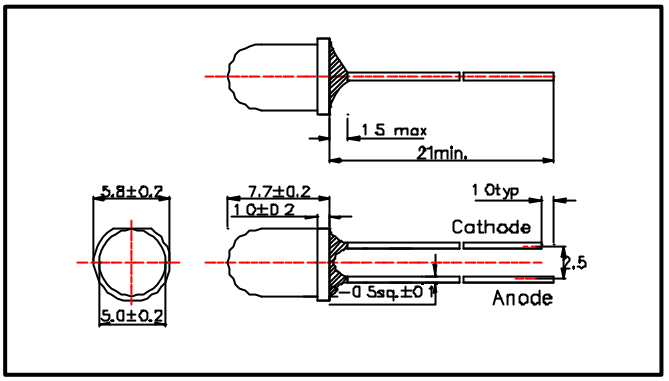
L525-04V Super Bright Green LED

L525-04V 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.	L525-04V
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	Ta=25°C
Forward Current	I_F	30	mA	Ta=25°C
Reverse Voltage	V_R	5	V	Ta=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		2,400		mcd
Peak Wavelength	λ_P	I_F=20mA	515	525	535	nm
Half Width	$\Delta\lambda$	I_F=20mA		40		nm
Viewing Half Angle	$\Theta_{1/2}$	I_F=20mA		±23		deg.

‡Brightness is measured byTektronix J-16.
‡Total Radiated Power is measured by Photodyne #500

EPITEX INC. : 4, Nishiaketa-Cho, Higashi-Kujyou, Minami-Ku, Kyoto, Japan
Tel.: ++81-75-682-2338 Fax: ++81-75-682-2267
e-mail: sales-dep@epitex.com http://www.epitex.com