

L525-__ __V Green LED Lamp

This series of L525-__ __V is an InGaN LED mounted on a lead frame with a clear epoxy lens. On forward bias, it emits a band of visible light that peaks 525nm.

1) Specifications

- (1) Chip material InGaN
- (2) Peak wavelength 525nm typ.
- (3) Package Clear epoxy resin
- (4) Lead frame Soldered

2) Absolute Maximum Ratings

Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Power Dissipation	PD	120	mW	Ta=25°C
Forward Current	IF	30	mA	Ta=25°C
Reverse Voltage	VR	5	V	Ta=25°C
Operating Temperature	TOPR	-30 ~ +85	°C	Ta=25°C
Storage Temperature	TSTG	-30 ~ +100	°C	
Soldering Temperature	TSOL	260	°C	

3) Electro-Optical Characteristics [Ta=25°C]

Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	IF=20mA		3.6	4.3	V
Reverse Current	IR	VR=5V			10	uA
Total Radiated Power	PO	IF=20mA		3.0		mW
Peak Wavelength	λP	IF=20mA	515	525	535	nm
Half Width	Δλ	IF=20mA		40		nm

4) Characteristics of Brightness [Ta=25°C]

Type	Viewing Half Angle	Brightness IF=20mA unit: mcd			Outer Dimension	
		Minimum	Typical	Maximum	Dimension	Figure
L525-01V	±9°		8500		φ5	1
L525-02V	±4°		10000		φ5	2
L525-03V	±12°		8000		φ5	3
L525-04V	±23°		2400		φ5	4
L525-05V	±30°		1000		φ5	5
L525-06V	±5°		10000		φ5	6
L525-09V	±22°(Long)		3500		φ5	7
	±13°(Short)			Oval		
L525-31V					φ3	8
L525-33V	±15°		4000		φ3	9
L525-34V					φ3	10
L525-36V	±27°		2000		φ3	11
L525-41V	±15°				φ4	12
L525-42V	±22°				φ4	12

‡ Brightness is measured by Tektronix J-16.

‡ Total Radiated Power is measured by Photodyne #500.