

# L625-\_\_ \_\_V High Bright Orange LED Lamp

This series of L625-\_\_ \_\_V is an InGaAlP LED mounted on a lead frame with a clear epoxy lens. On forward bias, it emits a band of visible light that peaks 625nm.

### 1) Specifications

- (1) Chip material      InGaAlP
- (2) Peak wavelength    625nm 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	115	mW	Ta=25°C
Forward Current	IF	50	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		2.0	2.3	V
Reverse Current	IR	VR=5V			10	uA
Total Radiated Power	PO	IF=20mA		2.5		mW
Peak Wavelength	λP	IF=20mA	615	625	635	nm
Half Width	Δλ	IF=20mA		20		nm

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

Type	Viewing Half Angle	Brightness IF=20mA unit: mcd			Outer Dimension	
		Minimum	Typical	Maximum	Dimension	Figure
L625-01V	±9°		3000		φ5	1
L625-02V	±3°		5000		φ5	2
L625-03V	±12°		2500		φ5	3
L625-04V	±15°		800		φ5	4
L625-05V	±30°		200		φ5	5
L625-06V	±3°		10000		φ5	6
L625-09V	±25°(Long)		1100		φ5	7
	±15°(Short)			Oval		
L625-31V					φ3	8
L625-33V	±18°		1500		φ3	9
L625-34V					φ3	10
L625-36V	±40°		400		φ3	11
L625-41V					φ4	12
L625-42V					φ4	12

‡ Brightness is measured by Tektronix J-16.

‡ Total Radiated Power is measured by Photodyne #500.