

L525/660-31

Bi-Color LED as Anode Common

Bi-color LED of L525/660-31 consists of InGaN(525nm) and AlGaInP(660nm) LEDs mounted on a lead frame with a clear epoxy lens as anode common. On forward bias it emits a band of visible light which peaks 525nm and 660nm.

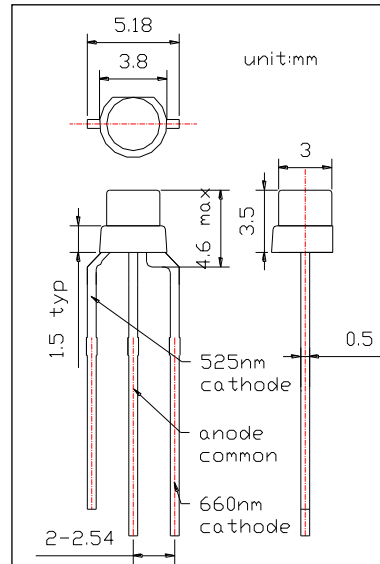
<Features>

- High Reliability
- High Power

<Specifications>

1. Product Name: Bi-color LED
2. Type Number: L525/660-31
3. Chip:
 - Chip material: InGaN and AlGaInP
 - Peak Wavelength: 525nm and 660nm typ.
4. Package
 - Type: Φ 3mm clear molding
 - Resin Material: Epoxy Resin
 - Lead Frame: Lead Free

Outer Dimension (Unit:mm)



Absolute Maximum Ratings					
Item	Symbol	Maximum Rated Value		Unit	Ambient Temperature
		525nm	660nm		
Power Dissipation	PD	180	120	mW	Ta=25°C
Forward Current	IF	50		mA	Ta=25°C
Reverse Voltage	IR	5		V	Ta=25°C
Operating Temperature	TOPR	-30 ~ +85		°C	
Storage Temperature	TSTG	-40 ~ +100		°C	
Soldering Temperature	TSOL	265		°C	

Soldering condition: Soldering condition must be completed within 5 seconds at 265°C

Electro-Optical Characteristics [Ta=25°C]									
Item	Symbol	Condition	Minimum		Typical		Maximum		Unit
			525	660	525	660	525	660	
Forward Voltage	VF	IF=20mA			3.1	2.1	4.0	2.5	V
Reverse Current	IR	VR=5V					10		uA
Total Radiated Power	PO	IF=20mA	5.0	8.0	8.0	12.0			mW
Peak Wavelength	λ P	IF=20mA	515	650	525	660	535	670	nm
Half Width	$\Delta\lambda$	IF=20mA			35	15			nm
Viewing Half Angle	θ 1/2	IF=20mA			\pm 65				Deg.

Radiated Power is measured by S3584-08

