

L565/660-04A

Bi-Color LED for Medical Analysis

L565/660-04A consists of GaP(565nm) and DDH AlGaAs LEDs mounted on a lead frame with a clear epoxy lens. On forward bias, it emits a band of visible light which peaks 565nm and 660nm.

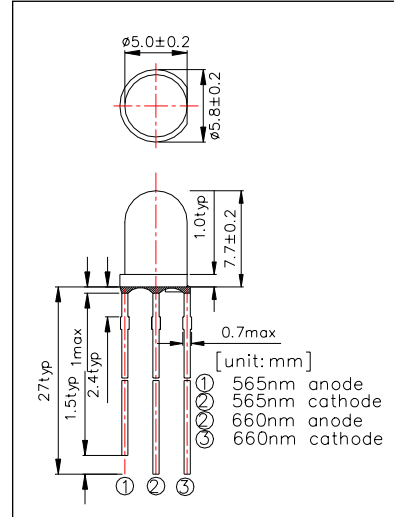
<Features>

- High Reliability
- High Power

<Specifications>

1. Product Name: Bi-Color LED
2. Type Number: L565/660-04A
3. Chip:
 - Chip material: GaP/DDH AlGaAs
 - Peak Wavelength: 565nm/660nm
4. Package
 - Type: Φ 5mm clear molding
 - Resin Material: Epoxy Resin
 - Lead Frame: Soldered(Lead Free)

Outer Dimension (Unit:mm)



Absolute Maximum Ratings					
Item	Symbol	Maximum Rated Value		Unit	Ambient Temp.
		565nm	660nm		
Power Dissipation	PD	80	75	mW	Ta=25°C
Forward Current	IF	30		mA	Ta=25°C
Reverse Voltage	VR	10		V	Ta=25°C
Operating Temperature	TOPR	-30 ~ +85		°C	
Storage Temperature	TSTG	-30 ~ +100		°C	
Soldering Temperature*	TSOL	260		°C	

* Soldering condition must be completed within 3 second at 260 °C.

Electro-Optical Characteristics [Ta=25°C]									
Item	Symbol	Condition	Minimum		Typical		Maximum		Unit
			565	660	565	660	565	660	
Forward Voltage	VF	IF=20mA			2.2	1.9	2.4	2.3	V
Reverse Current	IR	VR=5V					10		uA
Total Radiated Power*	PO	IF=20mA	0.1	2.5	0.2	4.0	0.3	6.5	mW
Peak wavelength	λ P	IF=20mA	562	645	565	655		665	nm
Half Width	$\Delta\lambda$	IF=20mA			50	20			nm
Viewing Half Angle	θ 1/2	IF=20mA			±20				deg

* Measured by Photodyne #500

