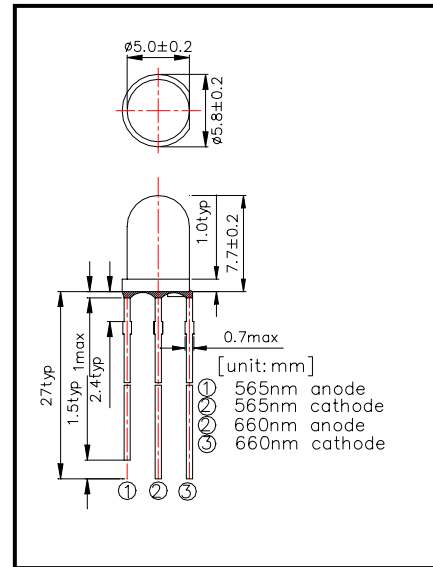


L565/660-04A Bi-Color LED for medical analysis

Bi-color LED of L565/660-04A consists of GaP(565nm) and DDH AlGaAs LED 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.

◆ Outer dimension (Unit: mm)



◆ Features

- 1) High Reliability
- 2) High Power

◆ Specifications

- 1) Product Name Bi-color LED
- 2) Type No. L565/660-04A
- 3) Chip
- (1) Chip Material GaP and DDH AlGaAs
- (2) Peak Wavelength 565nm and 660nm typ.
- 4) Package
- (1) Type Φ5mm clear molding
- (2) Resin Material Epoxy Resin
- (3) Lead Frame Soldered

◆ Absolute Maximum Ratings

Item	Symbol	Maximum Rated Value		Unit	Ambient Temperature
		565nm	660nm		
Power Dissipation	PD	80	75	mW	Ta=25°C
Forward Current	IF	30		mA	Ta=25°C
Reverse Voltage	IR	5		V	Ta=25°C
Operating Temperature	TOPR	-30 ~ +85		°C	
Storage Temperature	TSTG	-30 ~ +100		°C	
Soldering Temperature	TSOL	260		°C	

‡Soldering condition: Soldering condition must be completed within 3 seconds at 260°C

◆ Electro-Optical Characteristics [Ta=25°C]

Item	Symbol	Condition	Minimum		Typical		Maximum		Unit
			565nm	660nm	565nm	660nm	565nm	660nm	
Forward Voltage	VF	IF=20mA			2.20	1.90	2.40	2.30	V
Reverse Current	IR	VR=5V					10		uA
Total Radiated Power	PO	IF=20mA	0.10	2.50	0.20	4.00	0.30	6.50	mW
Peak Wavelength	λP	IF=20mA	562	645	565	655		665	nm
Half Width	Δλ	IF=20mA			50	20			nm
Viewing Half Angle	θ 1/2	IF=20mA			±20				deg.

‡Total Radiated Power is measured by Photodyne #500

‡Radiant Intensity is measured by Tektronix J-6512