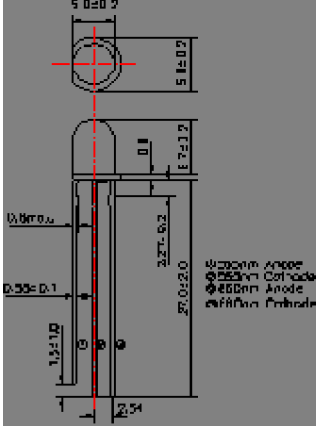


L565/660-04A Bi-color LED for medical analysis

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

†Specifications

1)Product No.	Bi-color LED	
2)type No.	L565/660-04A	
3)Chip		
(1)Chip material	GaN and AlGaAs	
(2)Peak wavelength	565nm and 660nm typ.	
4)Package		
(1)type	Ø5 mm 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	130	120	mW	Ta=25 °C
Forward Current	IF	50	50	mA	Ta=25 °C
Reverse Voltage	VR	10		V	Ta=25 °C
Operating Temperature e	TOPR	-30~+85		°C	
Storage Temperature	TSTG	-30~+100		°C	
Soldering Temperature	TSOL	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			2.2	1.9	2.4	2.3	V
Reverse Current	IR	VR=5V					10		uA
Total Radiation Power	Po	IF=20mA	0.10	3.5	0.20	5.5	0.30	7.0	mW
Peak Wavelength	ēP	IF=20mA	562	655	565	660	568	665	nm
Half Width	ē6	IF=20mA			50	20			nm
Viewing Half Angle		IF=20mA			±20°				deg.

‡Total Radiated Power is measured by Photodyne#500.

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