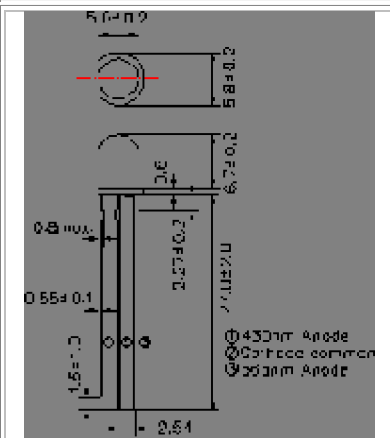


L430/565-04A Bi-color LED for medical analysis

Bi-color LED of L430/565-04A consists of GaN (430nm) and GaP (565nm) LEDs mounted on a lead frame with a clear epoxy lens.

On forward bias, it emits a band of visible light which peaks 430nm and 565nm at cathode common.

†Specifications

1)Product No.	Bi-color LED	
2)type No.	L430/565 -04A	
3)Chip		
(1)Chip material	GaN and GaP	
(2)Peak wavelength	430nm and 565nm 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
		430nm	565nm		
Power Dissipation	PD	250	130	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
			430nm	565nm	430nm	565nm	430nm	565nm	
Forward Voltage	VF	IF=20mA			4.0	2.2	5.0	2.4	V
Reverse Current	IR	VR=5V						10	uA
Reverse Current	IR	VR=10V					100		uA
Total Radiation Power	Po	IF=20mA	0.20	0.10	0.40	0.20	0.50	0.30	mW
Peak Wavelength	ēP	IF=20mA	418	562	425	565	432	568	nm
Half Width	ē	IF=20mA			50	35			nm
Viewing Half Angle		IF=20mA			±20°				deg.

‡Total Radiated Power is measured by Photodyne#500.

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