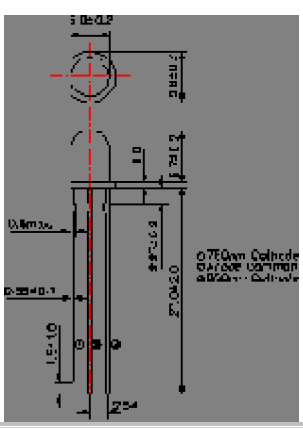


L750/850-04A Bi-color LED for medical analysis

Bi-color LED of L750/850-04A consists of DDH structure AlGaAs LEDs mounted on a lead frame with a clear epoxy lens.

On forward bias, it emits a band of visible light which peaks 750nm and 850nm at anode common.

†Specifications

1)Product No.	Bi-color LED	
2)type No.	L750/850-04A	
3)Chip		
(1)Chip material	AlGaAs	
(2)Peak wavelength	750nm and 850nm 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
		750nm	850nm		
Power Dissipation	PD	200	160	mW	Ta=25 °C
Forward Current	IF	100	100	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	

†Electro-Optical Characteristics (Ta=25 °C)

Item	Symbol	Condition	Minimum		Typical		Maximum		Unit
			750nm	850nm	750nm	850nm	750nm	850nm	
Forward Voltage	VF	IF=50mA			1.85	1.55	2.00	1.7	V
Reverse Current	IR	VR=5V					10		uA
Total Radiation Power	Po	IF=50mA	8.0	12.0	15.0	18.0			mW
Peak Wavelength	λP	IF=50mA			750	850			nm
Half Width	Δλ	IF=50mA			30	35			nm
Viewing Half Angle		IF=50mA			±20°				deg.

‡Total Radiated Power is measured by Photodyne#500.

EPITEX INC.: 4, Nishiaketa-cho, Higashi-Kujoyo, Minami-Ku, Kyoto, Japan

Tel:++81-75-682-2338 Fax:++81-75-682-2267

e-mail: sales-dep@epitex.com <http://www.epitex.com>