L660/940-04A

Bi-Color LED for Medical Analysis

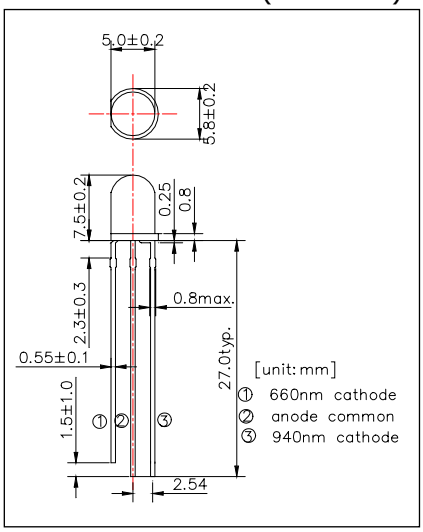
L660/940-04A consists of DDH AlGaAs and GaAs LEDs mounted on a lead frame with a clear epoxy lens. On forward bias, it emits a band of visible light which peaks 660nm and 940nm at anode common.

<Features>
- High Reliability
- High Power
- Anode Common

<Specifications>

1. Product Name: Bi-Color LED
2. Type Number: L660/940-04A
3. Chip:
   - Chip material: AlGaAs(DDH structure)
   - Peak Wavelength: 660nm/940nm
4. Package
   - Type: Φ5mm 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.
		660nm	940nm		
Power Dissipation	PD	75	140	mW	Ta=25℃
Forward Current	IF	30	100	mA	Ta=25℃
Reverse Voltage	VR	10		V	Ta=25℃
Operating Temperature	TOPR	-30 ~ +85		℃	
Storage Temperature	TSTG	-30 ~ +100		℃	
Soldering Temperature*	TSOL	260		℃	

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

Electro-Optical Characteristics [Ta=25℃]									
Item	Symbol	Condition	Minimum		Typical		Maximum		Unit
			660	940	660	940	660	940	
Forward Voltage	VF	IF=20mA			1.9	1.2	2.2	1.4	V
Reverse Current	IR	VR=5V					10		uA
Total Radiated Power*	PO	IF=20mA	2.5	3.0	4.5	5.0	6.5	7.5	mW
Peak wavelength	λP	IF=20mA	650	930	660	940	670	960	nm
Half Width	Δλ	IF=20mA			20	50			nm
Viewing Half Angle	θ1/2	IF=20mA			±20				deg

* Measured by Photodyne #500

RoHS Compliant

Marubeni America Corporation | 3945 Freedom Circle, Suite 1000, Santa Clara, CA95054
Email: sales@tech-led.com | URL: www.tech-led.com