

L850/940/1300-40C52

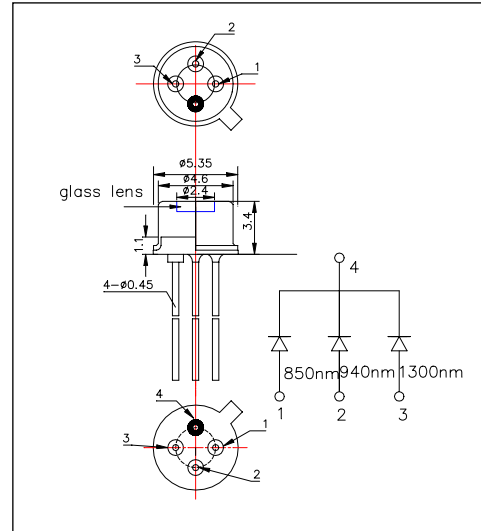
Multi-Wavelength LED

This product consists of AlGaAs(850,940nm) and InGaAsP(1300nm)LED mounted on TO-18 4pins type stem with a flat glass lens. Chips are connected as cathode common.

<Specifications>

1. Product Name: Multi-Wavelength LED Lamp
2. Type Number: L850/940/1300-40C52
3. Chip:
 - Chip material: AlGaAs / InGaAsP
 - Peak Wavelength: 850,940,1300nm
4. Package:
 - Stem: TO-18, 4pins type
 - Lens: Φ2.4 Flat Glass Lens

Outer Dimension (Unit:mm)



Absolute Maximum Ratings[Ta=25℃]

Item	Symbol	Maximum Rated Value			Unit
		850	940	1300	
Power Dissipation	PD	160	140	120	mW
Forward Current	IF	100	100	100	mA
Pulse Forward Current*	IFP	1000	1000	1000	mA
Reverse Voltage	VR	5			V
Operating Temperature	TOPR	-40 ~ +80			℃
Storage Temperature	TSTG	-40 ~ +100			℃
Soldering Temperature**	TSOL	265			℃

* Soldering condition must be completed within 3 seconds at 265℃ and it is allowed in the area apart 3mm from the bottom of the lamp.

Electro-Optical Characteristics [Ta=25℃]

Item	Symbol	Condition	Minimum			Typical			Maximum			Unit
			850	940	1300	850	940	1300	850	940	1300	
Forward Voltage	VF	IF=50mA				1.50	1.30	1.10	1.70	1.45	1.30	V
Reverse Current	IR	VR=5V							10			uA
T. Radiated Power*	PO	IF=50mA				16	12	4				mW
Peak Wavelength	λ P	IF=50mA	835	930	1250	850	940	1300	865	955	1350	nm
Half Width	Δλ	IF=50mA				40	50	80				nm

* Measured by G8370-85

