

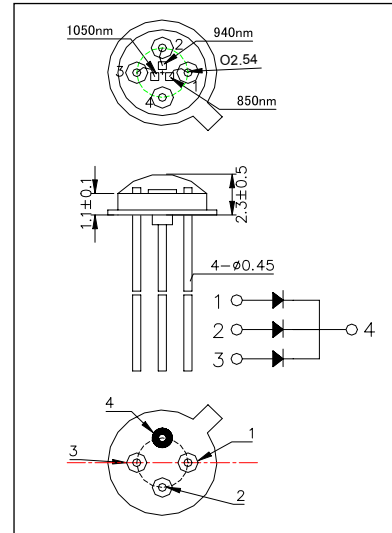
**L850/940/1050-40C00**  
Multi-Wavelength LED

This product consists of AlGaAs(850,940nm) and InGaAsP(1050nm)LED mounted on TO-18 4pins type stem with an epoxy lens. Chips are connected as cathode common.

<Specifications>

1. Product Name: Multi-Wavelength LED Lamp
2. Type Number: L850/940/1050-40C00
3. Chip:
  - Chip material: AlGaAs / InGaAsP
  - Peak Wavelength: 850,940,1050nm
4. Package:
  - Stem: TO-18, 4pins type
  - Lens: Clear Epoxy Resin

Outer Dimension (Unit:mm)



Absolute Maximum Ratings [Ta=25°C]					
Item	Symbol	Maximum Rated Value			Unit
		850	940	1050	
Power Dissipation	PD	160	140	130	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			°C
Storage Temperature	TSTG	-40 ~ +100			°C
Soldering Temperature**	TSOL	265			°C

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

Electro-Optical Characteristics [Ta=25°C]												
Item	Symbol	Condition	Minimum			Typical			Maximum			Unit
			850	940	1050	850	940	1050	850	940	1050	
Forward Voltage	VF	IF=50mA				1.55	1.30	1.10	1.70	1.40	1.30	V
Reverse Current	IR	VR=5V							10			uA
T. Radiated Power*	PO	IF=50mA	12	10	2	18	15	5				mW
Peak Wavelength	λ P	IF=50mA	835	925	1000	850	940	1050	865	955	1100	nm
Half Width	Δλ	IF=50mA				40	50	80				nm

\* Measured by G8370-85

