

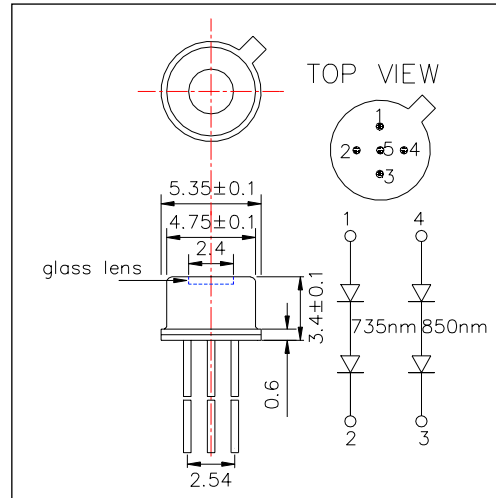
L2*735/2*850-40B52-I
Multi-Wavelength LED

This product consists of AlGaAs LED mounted with AlN heat sink pedestal on TO-18 stem 5pins type stem with a flat glass can. Each of chips is connected as series.

<Specifications>

1. Product Name: Multi-Wavelength LED Lamp
2. Type Number: L2*735/2*850-40B52-I
3. Chip:
 - Chip material: AlGaAs
 - Peak Wavelength: 735, 850nm
4. Package:
 - Stem: TO-18, 5pins type
 - Lens: Φ2.4mm Flat Glass

Outer Dimension (Unit:mm)



Absolute Maximum Ratings[Ta=25°C]				
Item	Symbol	Maximum Rated Value		Unit
		735	850	
Power Dissipation	PD	180	160	mW
Forward Current	IF	75	100	mA
Pulse Forward Current	IFP	200	500	mA
Reverse Voltage	VR	5		V
Operating Temperature	TOPR	-20 ~ +80		°C
Storage Temperature	TSTG	-30 ~ +100		°C
Soldering Temperature*	TSOL	240		°C

* Soldering condition must be completed within 3 seconds at 240°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
			735	850	735	850	735	850	
Forward Voltage	VF	IF=50mA			1.85	1.55	2.30	1.7	V
Reverse Current	IR	VR=5V					10		uA
T. Radiated Power*	PO	IF=50mA	4.0	4.0	7.0	7.0			mW
Peak Wavelength	λ P	IF=50mA	710	835	735	850	755	865	nm
Half Width	Δλ	IF=50mA			40	40			nm

* Measured by Photodyne #500

