

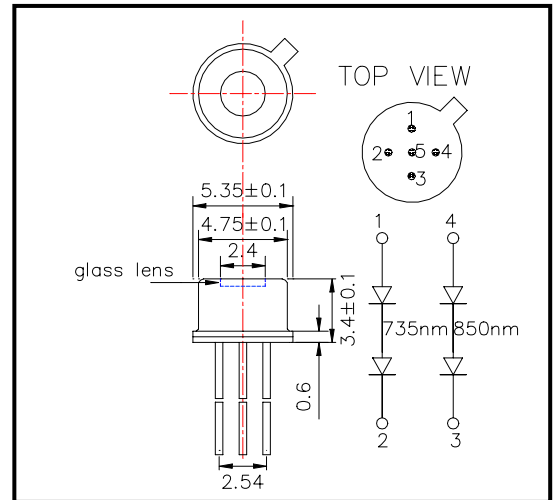
L2x735/2x850-40B52-I multi-wavelength LED

L2x735/2x850-40B52-I consists of an AlGaAs LED mounted with AlN heat sink pedestal on TO-18 5pins type stem with flat glass lens can. Each chips are connected as series.

◆ Specifications

- | | |
|---------------------|---------------------------|
| 1) Product Name | Multi-wavelength LED Lamp |
| 2) Type No. | L2x735/2x850-40B52-I |
| 3) Chip | |
| (1) Chip material | AlGaAs |
| (2) Peak wavelength | 735, 850nm |
| 4) Package | |
| (1) Stem | TO-18 5pin type |
| (2) Lens | Φ2.4 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	IF	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: Soldering condition must be completed within 3 seconds at 240°C and is allowed in the area apart 3mm from the bottom of the lamp.

◆ Electro-Optical Characteristics [Ta=25°C]

Item	Symbol	Wavelength	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	735	IF=50mA		3.70	4.60	V
		850			3.00	3.40	
Reverse Current	IR		VR=5V			10	µA
Total Output Power	PO	735	IF=50mA	8.0	14.0		mW
		850		8.0	14.0		
Peak Wavelength	λP	735	IF=50mA	710	735	755	nm
		850		835	850	865	
Half Wavelength	Δλ	735	IF=50mA		40		nm
		850			40		

‡Total Radiated Power is measured by Photodyne #500