

Lead (Pb) Free Product RoHS compliant

# L2\*735/2\*850-40B52-I

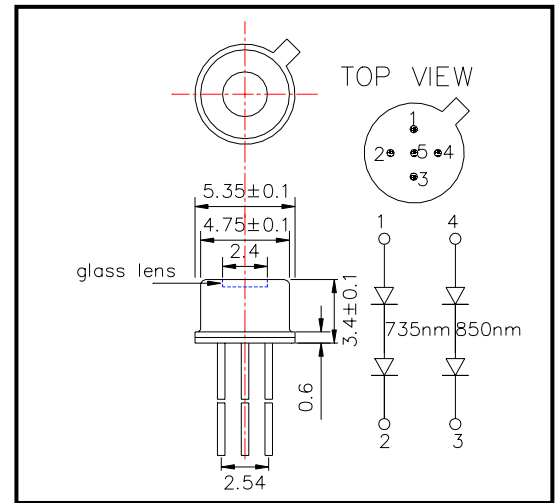
multi-wavelength LED

◆ Outer dimension (Unit: mm)

L2\*735/2\*850-40B52-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.	L2*735/2*850-40B52-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



## ◆ 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		1.85	2.30	V
		850					
Reverse Current	IR		VR=5V			10	u A
Total Output Power	PO	735	IF=50mA	4.0	7.0		mW
		850		4.0	7.0		
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