

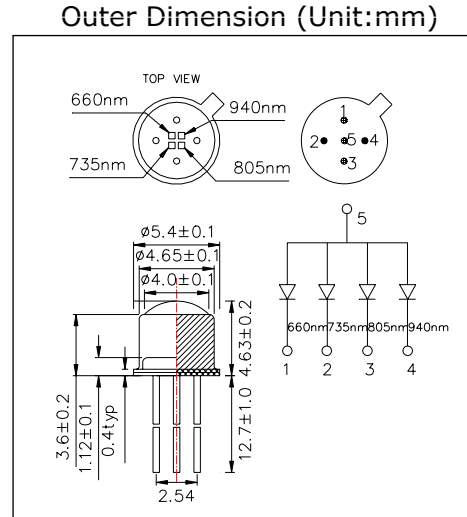
L660/735/805/940-40B42

Multi-Wavelength LED

This product consists of AlGaAs(660,735,805nm), and GaAs(940nm) LED mounted on TO-18 5pins type stem with an unspherical glass lens. Chips are connected as anode common.

<Specifications>

1. Product Name: Multi-Wavelength LED Lamp
2. Type Number: L660/735/805/940-40B42
3. Chip:
 - Chip material: AlGaAs and GaAs
 - Peak Wavelength: 660,735,805,940nm
4. Package:
 - Stem: TO-18, 5pins type
 - Lens: Φ5mm Unspherical Glass



Absolute Maximum Ratings[Ta=25°C]						
Item	Symbol	Maximum Rated Value				Unit
		660	735	805	940	
Power Dissipation	PD	120	180	170	140	mW
Forward Current	IF	50	75	100	100	mA
Pulse Forward Current	IFP	200	200	300	1000	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
			660	735	805	940	660	735	805	940	660	735	805	940	
Forward Voltage	VF	IF=20mA					1.9		1.5	1.2	2.2		1.7	1.3	V
Reverse Current	IR	VR=5V									10				uA
T. Radiated Power*	PO	IF=20mA					2.9	3.5	3.5	2.5					mW
Peak Wavelength	λ P	IF=20mA	650	725	795	935	655	735	805	940	660	745	820	955	nm
Half Width	Δλ	IF=20mA					20	30	35	45					nm

* Measured by Photodyne #500

