L660/735/805/940-40B42-C-I

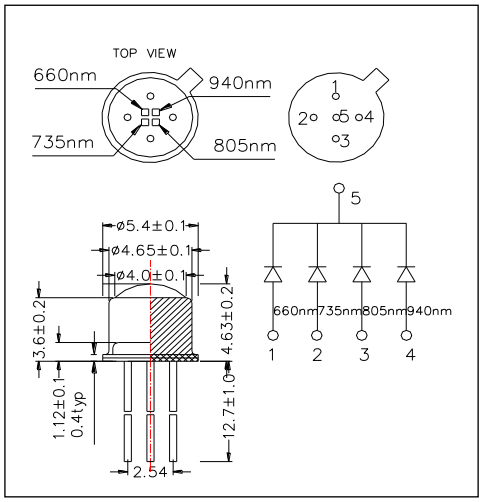
Multi-Wavelength LED

L660/735/805/940-40B42-C-I consists of an AlGaAs(660, 735 and 805nm) and GaAs(940nm) LEDs mounted on TO-18 5 pins type stem with an unspherical glass lens. Chips are connected as cathode common.

<Specifications>

1. Product Name: Multi-Wavelength LED Lamp
2. Type Number: L660/735/805/940-40B42-C-I
3. Chip:
   - Chip material: AlGaAs, GaAs
   - Peak Wavelength: 660,735, 805 and 940nm
4. Package
   - Stem: TO-18 5pin type
   - Lens: Φ5 Unspherical Glass

Outer Dimension (Unit:mm)



Absolute Maximum Ratings[Ta=25℃]						
Item	Symbol	Maximum Rated Value				Unit
		660nm	735nm	805nm	940nm	
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				℃
Storage Temperature	TSTG	-30 ~ +100				℃
Soldering Temperature*	TSOL	255				℃

* Soldering condition must be completed within 3 seconds at 255℃ and is allowed in the area apart 3mm from the bottom of the lamp

Electro-Optical Characteristics [Ta=25℃]																
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
Total Radiated Power*	PO	IF=20mA					2.9	3.5	3.5	2.5					mW
Peak wavelength	λP	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

RoHS Compliant

The product is manufactured by USHIO Inc. and the spec information is also from USHIO Inc.

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