L660/805/1200/1300-35B32

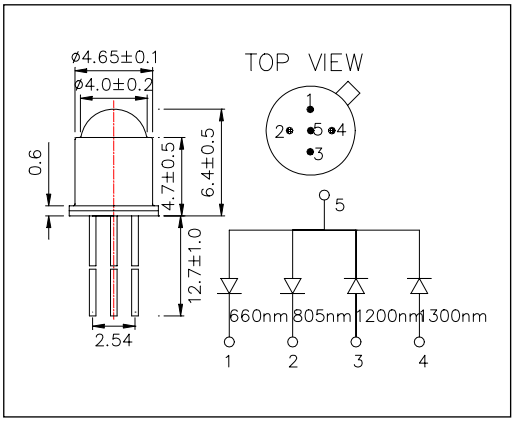
Multi-Wavelength LED

L660/805/1200/1300-35B32 consists of an AlGaAs(660 and 805nm) and InGaAs(1200 and 1300nm) LEDs mounted on TO-18 stem with a spherical glass lens.

<Specifications>

1. Product Name: Multi-Wavelength LED Lamp
2. Type Number: L660/805/1200/1300-35B32
3. Chip:
   - Chip material: AlGaAs, InGaAs
   - Peak Wavelength: 660,805,1200,1300nm
4. Package
   - Stem: TO-18 5pin type
   - Lens: Φ5 Spherical Glass

Outer Dimension (Unit:mm)



Absolute Maximum Ratings[Ta=25℃]						
Item	Symbol	Maximum Rated Value				Unit
		660nm	805nm	1200nm	1300nm	
Power Dissipation	PD	120	170	120	120	mW
Forward Current	IF	50	100	100	100	mA
Pulse Forward Current	IFP	200	500	1000	1000	mA
Reverse Voltage	VR	5				V
Operating Temperature	TOPR	-20 ~ +80				℃
Storage Temperature	TSTG	-30 ~ +100				℃
Soldering Temperature*	TSOL	240				℃

* Soldering condition must be completed within 3 seconds at 240℃ 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	805	1200	1300	660	805	1200	1300	660	805	1200	1300	
Forward Voltage	VF	IF=20mA					1.9	1.5	0.8	0.8	2.3	1.7	1.3	1.3	V
Reverse Current	IR	VR=5V									10				uA
T.RadiatedPower*	PO	IF=20mA					1.4	2.8	1.0	1.0					mW
Peak wavelength	λP	IF=20mA	650	795	1150	1250	660	805	1200	1300	670	815	1250	1350	nm
Half Width	Δλ	IF=20mA					20	30	75	75					nm

* Measured by Photodyne #500
- Radiated Power of 1300nm is measured by Ando Optical Multi Meter AQ2140&AQ2742

RoHS Compliant