L660/850/940/1300-35B32

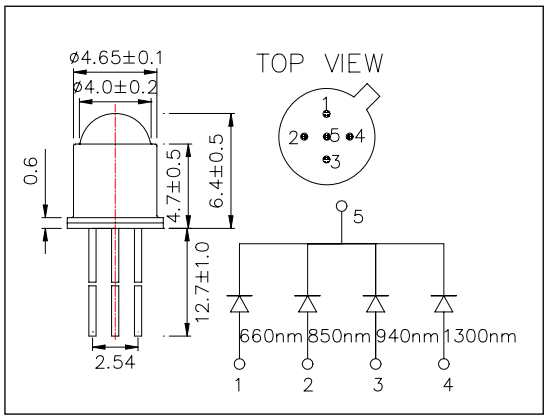
Multi-Wavelength LED

L660/850/940/1300-35B32 consists of an AlGaAs(660 and 850nm) and GaAs(940nm) and InGaAs(1300nm) LEDs mounted on TO-18 stem with a spherical glass lens. LEDs are connected as cathode common.

<Specifications>

1. Product Name: Multi-Wavelength LED Lamp
2. Type Number: L660/850/940/1300-35B32
3. Chip:
   - Chip material: AlGaAs, InGaAs, GaAs
   - Peak Wavelength: 660,850,940,1300nm
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	850nm	940nm	1300nm	
Power Dissipation	PD	120	160	140	120	mW
Forward Current	IF	50	100	100	100	mA
Pulse Forward Current	IFP	200	1000	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	850	940	1300	660	850	940	1300	660	850	940	1300	
Forward Voltage	VF	IF=20mA					1.9	1.4	1.2	0.8	2.3	1.6	1.4	1.3	V
Reverse Current	IR	VR=5V									10				uA
T.Radiated Power*	PO	IF=20mA					1.4	5.0	2.5	1.0					mW
Peak wavelength	λP	IF=20mA	645	840	935	1250	655	850	940	1300	665	860	955	1350	nm
Half Width	Δλ	IF=20mA					20	30	45	75					nm

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

RoHS Compliant