

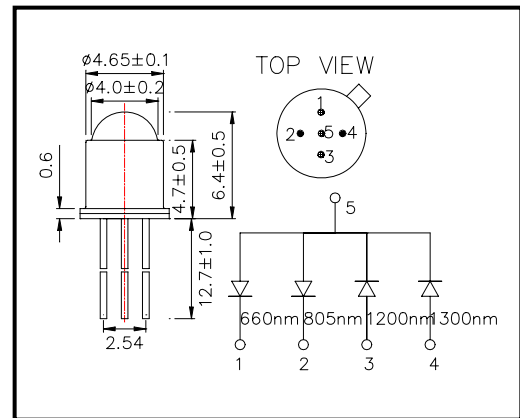
## L660/805/1200/1300-35B32 multi-wavelength LED

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

◆ Outer dimension(Unit:mm)

◆ Specifications

- 1) Product Name Multi-wavelength LED Lamp
- 2) Type No. L660/805/1200/1300-35B32
- 3) Chip
  - (1) Chip material AlGaAs, InGaAs
  - (2) Peak wavelength 660, 805, 1200, 1300nm
- 4) Package
  - (1) Stem TO-18 5pin type
  - (2) Lens Φ5mm spherical glass



◆ Absolute Maximum Ratings/ per each one chip [Ta=25°C]

Item	Symbol	Maximum Rated Value				Unit
		660	805	1200	1300	
Power Dissipation	PD	120	170	120	120	mW
Forward Current	IF	50	100	100	100	mA
Pulse Forward Current	IF	200	500	1000	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: 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/ per each one chip [Ta=25°C]

Symbol	Wavelength	Condition	Minimum	Typical	Maximum	Unit
VF	660	IF=20mA		1.9	2.3	V
	805			1.5	1.7	
	1200			0.8	1.3	
	1300			0.8	1.3	
IR		VR=3V			10	uA
PO	660	IF=20mA		1.4		mW
	805			2.8		
	1200			1.0		
	1300			1.0		
λP	660	IF=20mA	650	660	670	nm
	805		795	805	815	
	1200		1150	1200	1250	
	1300		1250	1300	1350	
Δλ	660	IF=20mA		20		nm
	805			30		
	1200			75		
	1300			75		

‡Total Radiated Power is measured by Photodyne #500

‡Radiated Power of 1300nm is measured by Ando Optical Multi Meter AQ2140 & AQ2742