

L2*660/805/940/6*1300-35Q96-I
Multi-Wavelength LED

This product consists of AlGaAs(2*660nm, 805nm), GaAs(940nm) and InGaAs(6*1300nm) LED mounted with AlN heat sink pedestal on TO-5 stem and sealed with a flat glass can.

<Specifications>

1. Product Name: Multi-Wavelength LED Lamp
2. Type Number: L2*660/805/940/6*1300-35Q96-I
3. Chip:
 - Chip material: AlGaAs, GaAs and InGaAs
 - Number:660nm:2pc, 805-940nm:1pc,1300nm:6pc
 - Peak Wavelength: 660,805,940,1300nm
- 4.Connection: below drawing
5. Package:
 - Stem: TO-5, 8pins type
 - Lens: Φ6.6mm Flat Glass

Absolute Maximum Ratings[Ta=25°C]						
Item	Symbol	Maximum Rated Value				Unit
		660	805	940	1300	
Power Dissipation	PD	120	170	140	330	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				°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	805	940	1300	660	805	940	1300	660	805	940	1300	
Forward Voltage	VF	IF=20mA					1.9	1.5	1.25	0.8	2.3	1.7	1.4	1.3	V
Reverse Current	IR	VR=5V									10				uA
T. Radiated Power*	PO	IF=20mA					1.4	2.8	2.0	0.8					mW
Peak Wavelength	λP	IF=20mA	650	795	930	50	660	805	940	1300	670	915	950	50	nm
Half Width	Δλ	IF=20mA					20	30	45	100					nm

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

Outer Dimension (Unit:mm)

