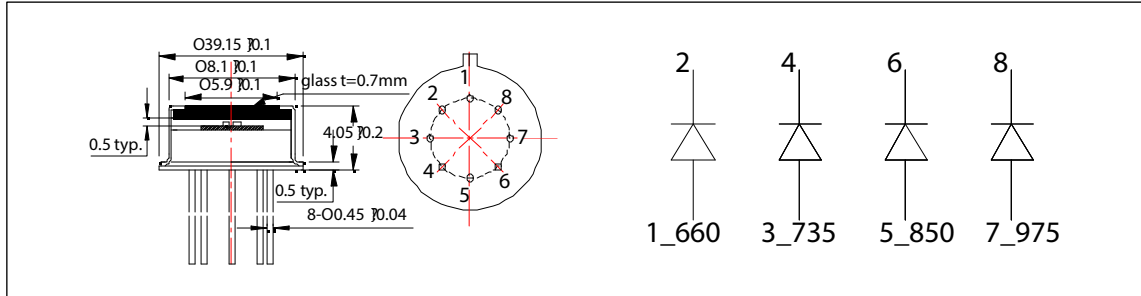


## L660/735/850/975-40Q96-I

### Multi-Wavelength LED

This product consists of AlGaAs(660,735,850nm), and GaAs(975nm) LED mounted on TO-5 stem with a flat glass can.

Outer Dimension (Unit:mm)



<Specifications>

1. Product Name: Multi-Wavelength LED Lamp
2. Type Number: L660/735/850/975-40Q96-I
3. Chip:
  - Chip material: AlGaAs and GaAs
  - Peak Wavelength: 660,735,850,975nm
4. Package:
  - Stem: TO-5, 8pins type
  - Lens: Φ8mm Flat Glass

Absolute Maximum Ratings[Ta=25°C]						
Item	Symbol	Maximum Rated Value				Unit
		660	735	850	975	
Power Dissipation	PD	120	200	170	140	mW
Forward Current	IF	50	100	100	100	mA
Pulse Forward Current	IFP	200	500	500	500	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	735	850	975	660	735	850	975	660	735	850	975	
Forward Voltage	VF	IF=20mA					1.9	1.7	1.4	1.25	2.3	2.0	1.7	1.4	V
Reverse Current	IR	VR=5V									10				µA
T. Radiated Power*	PO	IF=20mA	0.8	1.5	2.0	0.3	1.5	3.0	3.4	0.7					mW
Peak Wavelength	λ P	IF=20mA					660	735	850	975					nm
Half Width	Δλ	IF=20mA					20	30	40	50					nm

\* Measured by Photodyne #500

