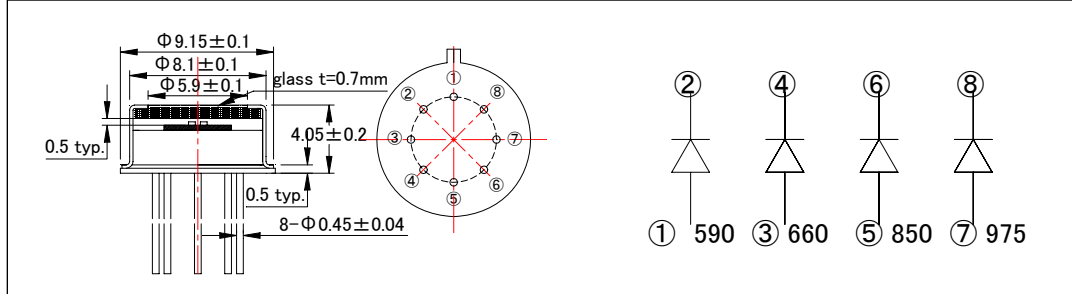


L590/660/850/975-40Q96-I
Multi-Wavelength LED

L590/660/850/975-40Q96-I consists of an InGaAlAs'(590nm), AlGaAs'(660 and 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: L590/660/850/975-40Q96-I
3. Chip:
 - Chip material: InGaAlP, AlGaAs, GaAs
 - Peak Wavelength: 590,660,850 and 975nm
 - Chip Number: 1pc Each
- 4.Package
 - Stem: TO-5 8pin type
 - Lens: Φ8mm flat Glass

Absolute Maximum Ratings[Ta=25°C]						
Item	Symbol	Maximum Rated Value				Unit
		590	660	850	975	
Power Dissipation	PD	110	120	170	140	mW
Forward Current	IF	50	50	100	100	mA
Pulse Forward Current	IFP	200	200	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 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
			590	660	850	975	590	660	850	975	590	660	850	975	
Forward Voltage	VF	IF=20mA					2.0	1.9	1.4	1.25	2.4	2.3	1.7	1.4	V
Reverse Current	IR	VR=5V									10				uA
T. Radiated Power*	PO	IF=20mA	0.1	0.8	2.0	0.3	0.2	1.5	3.4	0.7					mW
Peak Wavelength	λ P	IF=20mA					590	660	850	975					nm
Half Width	Δλ	IF=20mA					15	20	40	50					nm

* Measured by Photodyne #500

