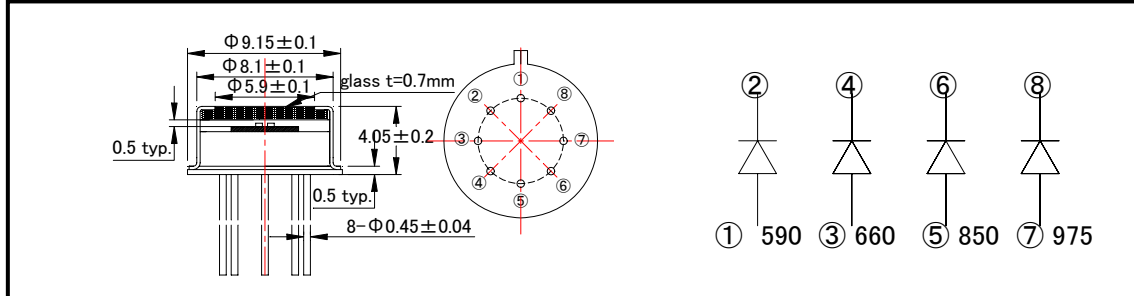


## L590/660/850/975-40Q96-I multi-wavelength LED

L590/660/850/975-40Q96-I consists of an InGaAlAs'(590nm),AlGaAs'(660, 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	4) Package	(1) Stem TO-5, 8pin type
2) Type No.	L590/660/850/975-40Q96-I	(2) Lens	Φ8mm flat glass
3) Chip			
(1)Chip material	InGaAlP, AlGaAs, GaAs		
(2)Peak wavelength	590, 660, 850, 975nm		
(3)Chip numbers	Each-1pc		

### ◆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	IF	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 : 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]

Symbol	Wavelength	Condition	Minimum	Typical	Maximum	Unit
VF	590	IF=20mA		2.00	2.40	V
	660			1.90	2.30	
	850			1.40	1.70	
	975			1.25	1.40	
IR		VR=5V			10	uA
PO	590	IF=20mA	0.1	0.2		mW
	660		0.8	1.5		
	850		2.0	3.4		
	975		0.3	0.7		
λP	590	IF=20mA		590		nm
	660			660		
	850			850		
	975			975		
Δλ	590	IF=20mA		15		nm
	660			20		
	850			40		
	975			50		

‡Total Radiated Power is measured by Photodyne #500