

L4*735/4*805/4*850-40Q96-I multi-wavelength LED

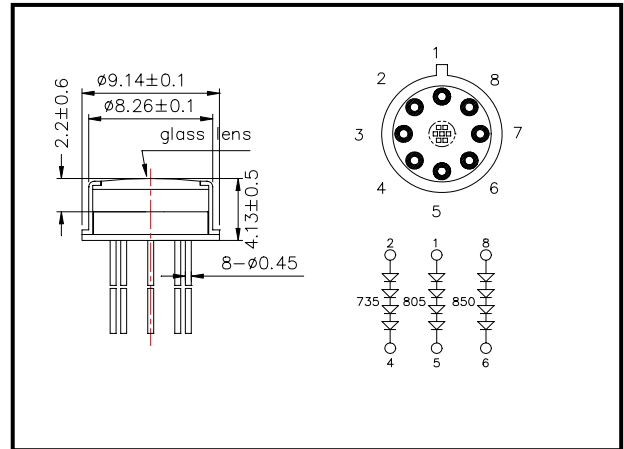
L4*735/4*805/4*850-40Q96-I consists of 12chips of AlGaAs (735nm, 805nm and 850nm)

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
- 2) Type No. L4*735/4*805/4*850-40Q96-I
- 3) Chip
 - (1) Chip material AlGaAs
 - (2) Peak wavelength 735, 805, 850nm
 - (3) Chip numbers Each 4pcs
- 4) Package
 - (1) Stem TO-5, 8pins type
 - (2) Lens Flat glass can

◆ Outer dimension (Unit: mm)



◆ Absolute Maximum Ratings [Ta=25°C]

Item	Symbol	Maximum Rated Value			Unit
		735	805	850	
Power Dissipation	PD	720	680	640	mW
Forward Current	IF	75	100	100	mA
Pulse Forward Current	IF	200	300	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	735	IF=50mA		7.6	9.0	V
	805			6.4	7.2	
	850			5.6	6.5	
IR		VR=10V			10	uA
PO	735	IF=50mA	15	30		mW
	805		18	30		
	850		20	30		
λP	735	IF=50mA	710	735	755	nm
	805		790	805	820	
	850		835	850	865	
Δλ	735	IF=50mA		30		nm
	805			40		
	850			40		

‡Total Radiated Power is measured by Photodyne#500