

L6X735/6X850-40Q96-I multi-wavelength LED

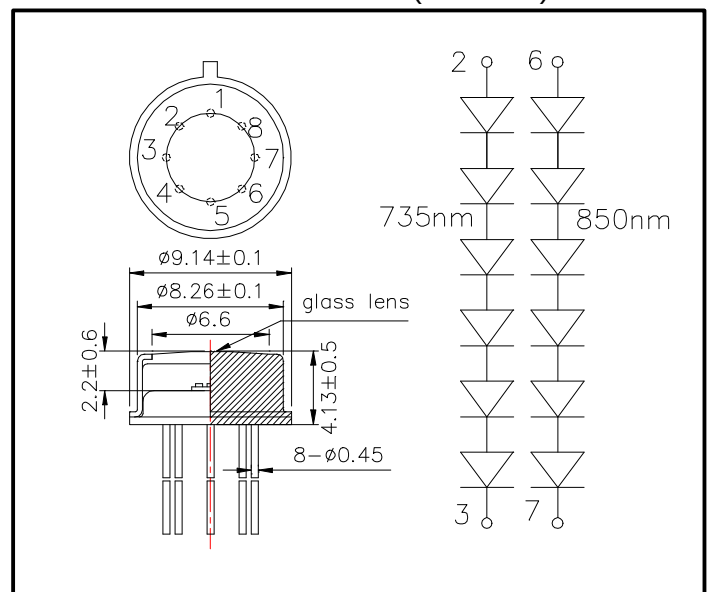
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Outer dimension (Unit: mm)

L6X735/6X850-40Q96-I consists of 12 chips of AlGaAs (730nm 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 Lamp
- 2) Type No. L6X735/6X850-40Q96-I
- 3) Chip
 - (1) Chip material AlGaAs
 - (2) Peak wavelength 735, 850nm
 - (3) Chip numbers Each 6pcs
- 4) Package
 - (1) Stem TO-5, 8 pins type
 - (2) Lens Flat glass can



Absolute Maximum Ratings [Ta=25°C]

Item	Symbol	Maximum Rated Value		Unit
		735	850	
Power Dissipation	P _D	1100	1280	mW
Forward Current	I _F	75	100	mA
Pulse Forward Current	I _F	200	500	mA
Reverse Voltage	V _R	5		V
Operating Temperature	T _{OPR}	-20 ~ +80		°C
Storage Temperature	T _{STG}	-30 ~ +100		°C
Soldering Temperature	T _{SOL}	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
V _F	735	I _F =50mA		11.0	14.0	V
	850			8.5	11.0	
I _R		V _R =10V			10	μA
P _O	735	I _F =50mA		50		mW
	850			60		
I _P	735	I _F =50mA		735		nm
	850			850		
D _I	735	I _F =50mA		30		nm
	850			40		

‡ Total Radiated Power is measured by Photodyne#500