

TEMPERATURE

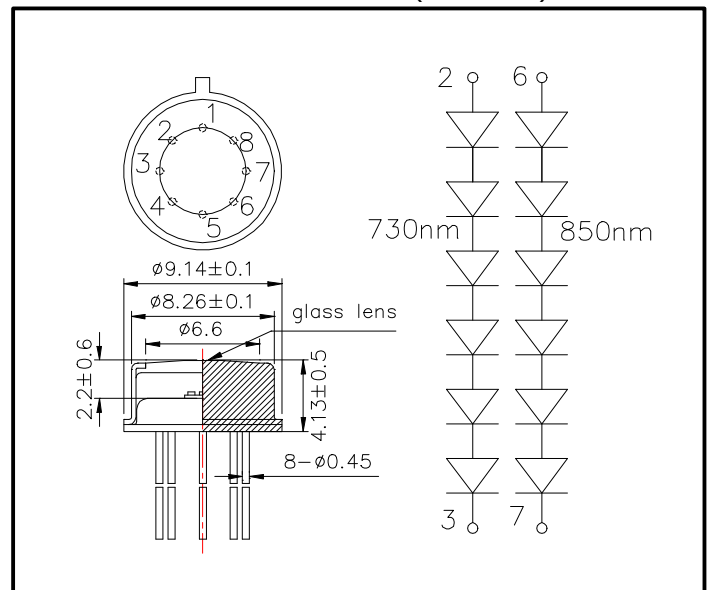
L6X730/6X850-40Q96-I multi-wavelength LED

Outer dimension (Unit: mm)

L6X730/6X850-40Q96-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. L6X730/6X850-40Q96-I
- 3) Chip
 - (1) Chip material AlGaAs
 - (2) Peak wavelength 730, 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
		730	850	
Power Dissipation	PD	1100	1280	mW
Forward Current	IF	75	100	mA
Pulse Forward Current	IF	200	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	730	IF=50mA		11.0	14.0	V
	850			8.5	11.0	
IR		VR=10V			10	uA
PO	730	IF=50mA		50		mW
	850			60		
IP	730	IF=50mA		730		nm
	850			850		
DI	730	IF=50mA		30		nm
	850			40		

‡ Total Radiated Power is measured by Photodyne#500