

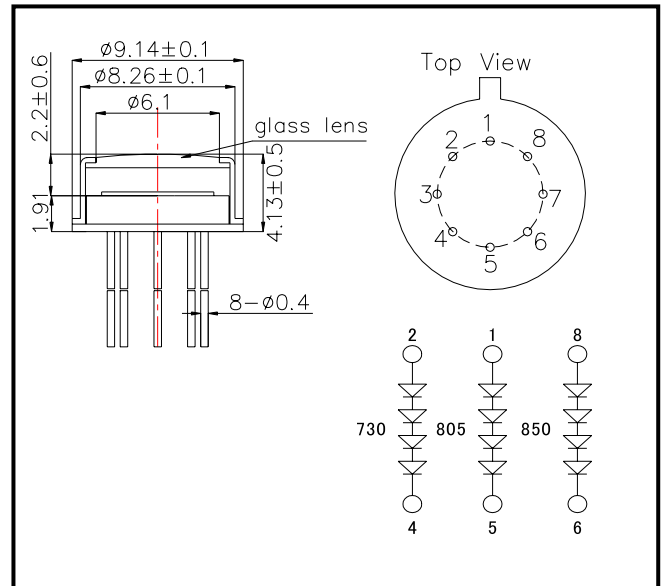
L4*730/4*805/4*850-40Q96-I multi-wavelength LED

◆ Outer dimension (Unit: mm)

L4*730/4*805/4*850-40Q96-I consists of 12chips of AlGaAs (730nm, 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*730/4*805/4*850-40Q96-I
- 3) Chip
 - (1) Chip material AlGaAs
 - (2) Peak wavelength 730, 805, 850nm
 - (3) Chip numbers Each 4pcs
- 4) Package
 - (1) Stem TO-5, 8pin type
 - (2) Lens Flat glass can



◆ Absolute Maximum Ratings [Ta=25°C]

| Item | Symbol | Maximum Rated Value | | | Unit |
|-----------------------|--------|---------------------|-----|-----|------|
| | | 730 | 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 | 730 | IF=50mA | | 7.6 | 9.0 | V |
| | 805 | | | 6.4 | 7.2 | |
| | 850 | | | 5.6 | 6.5 | |
| IR | | VR=10V | | | 10 | uA |
| PO | 730 | IF=50mA | 15 | 30 | | mW |
| | 805 | | 18 | 30 | | |
| | 850 | | 20 | 30 | | |
| λP | 730 | IF=50mA | 715 | 730 | 745 | nm |
| | 805 | | 790 | 805 | 820 | |
| | 850 | | 835 | 850 | 865 | |
| Δλ | 730 | IF=50mA | | 30 | | nm |
| | 805 | | | 40 | | |
| | 850 | | | 40 | | |

‡Total Radiated Power is measured by Photodyne#500