

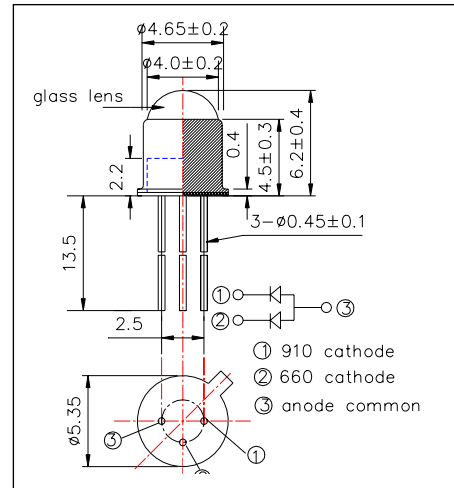
L660/910-35D32
Multi-Wavelength LED

This product consists of AlGaAs(660,910nm) LED mounted on TO-18 stem with a glass ball lens. On forward bias it emits a spectral band of radiation, which peaks at 660nm and 910nm without sub-peak.

<Specifications>

1. Product Name: Multi-Wavelength LED Lamp
2. Type Number: L660/910-35D32
3. Chip:
 - Chip material: AlGaAs
 - Dimension: 350um(660nm), 400um(910nm)
 - Peak Wavelength: 660,910nm
4. Package:
 - Stem: TO-18, 3pins type
 - Lens: Φ5mm Glass Ball Lens

Outer Dimension (Unit:mm)



| Absolute Maximum Ratings[Ta=25°C] | | | | |
|-----------------------------------|--------|---------------------|-----|------|
| Item | Symbol | Maximum Rated Value | | Unit |
| | | 660 | 910 | |
| Power Dissipation | PD | 120 | 160 | mW |
| Forward Current | IF | 50 | 100 | mA |
| Pulse Forward Current | IFP | 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 must be completed within 3 seconds at 240°C and it is allowed in the area apart 3mm from the bottom of the lamp.

| Electro-Optical Characteristics [Ta=25°C] | | | | | | | | | |
|-------------------------------------------|--------|-----------|---------|-----|---------|------|---------|-----|-------|
| Item | Symbol | Condition | Minimum | | Typical | | Maximum | | Unit |
| | | | 660 | 910 | 660 | 910 | 660 | 910 | |
| Forward Voltage | VF | IF=20mA | | | 1.9 | 1.3 | 2.2 | 1.5 | V |
| Reverse Current | IR | VR=5V | | | | | 10 | | uA |
| T. Radiated Power* | PO | IF=20mA | | | 1.3 | 1.4 | | | mW |
| Radiant Intensity** | IE | IF=20mA | | | 13.0 | 13.0 | | | mW/sr |
| Peak Wavelength | λP | IF=20mA | 650 | 900 | 660 | 910 | 670 | 925 | nm |
| Half Width | Δλ | IF=20mA | | | 20 | 60 | | | nm |

* Measured by Photodyne #500
** Measured by Tektronix J-6512

