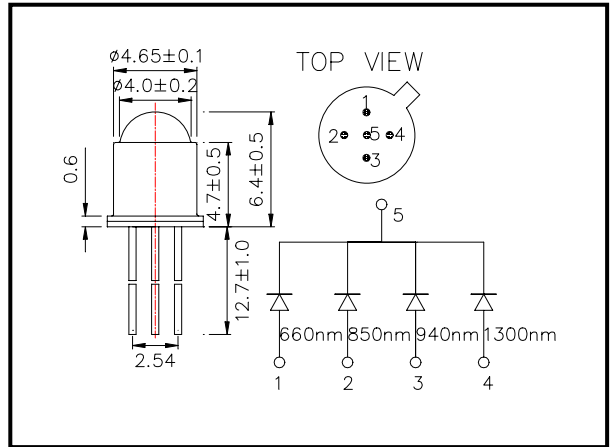


L660/850/940/1300-35B32 multi-wavelength LED

L660/850/940/1300-B32 consists of an AlGaAs'(660, 850nm), GaAs'(940nm) and InGaAs'(1300nm) LED mounted on TO-18 stem with a spherical glass lens. LED are connected as cathode common

◆ Outer dimension(Unit: mm)



◆ Specifications

- | | |
|---------------------|-------------------------|
| 1) Product Name | Multi-wavelength LED |
| 2) Type No. | L660/850/940/1300-35B32 |
| 3) Chip | |
| (1) Chip material | GaAs, AlGaAs, InGaAs |
| (2) Peak wavelength | 660, 850, 940, 1300nm |
| 4) Package | |
| (1) Stem | TO-18 5pin type |
| (2) Pins Connection | Cathode Common |
| (3) Lens | Φ5mm spherical glass |

◆ Absolute Maximum Ratings/ per each one chip [Ta=25°C]

| Item | Symbol | Maximum Rated Value | | | | Unit |
|-----------|--------|---------------------|------|------|------|------|
| | | 660 | 850 | 940 | 1300 | |
| Power | PD | 120 | 160 | 140 | 120 | mW |
| Forward | IF | 50 | 100 | 100 | 100 | mA |
| Pulse | IF | 200 | 1000 | 1000 | 1000 | mA |
| Reverse | VR | 5 | | | | V |
| Operating | TOPR | -20 ~ +80 | | | | °C |
| Storage | TSTG | -30 ~ +100 | | | | °C |
| Soldering | 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/ per each one chip [Ta=25°C]

| Symbol | Wavelength | Condition | Minimum | Typical | Maximum | Unit |
|--------|------------|-----------|---------|---------|---------|------|
| VF | 660 | IF=20mA | | 1.9 | 2.3 | V |
| | 850 | | | 1.4 | 1.6 | |
| | 940 | | | 1.2 | 1.4 | |
| | 1300 | | | 0.8 | 1.3 | |
| IR | | VR=5V | | | 10 | uA |
| PO | 660 | IF=20mA | | 1.4 | | mW |
| | 850 | | | 5.0 | | |
| | 940 | | | 2.5 | | |
| | 1300 | | | 1.0 | | |
| λP | 660 | IF=20mA | 645 | 655 | 665 | nm |
| | 850 | | 840 | 850 | 860 | |
| | 940 | | 935 | 940 | 955 | |
| | 1300 | | 1250 | 1300 | 1350 | |
| Δλ | 660 | IF=20mA | | 20 | | nm |
| | 850 | | | 30 | | |
| | 940 | | | 45 | | |
| | 1300 | | | 75 | | |

‡Total Radiated Power is measured by Photodyne #500

‡Radiated Power of 1300nm is measured by Ando Optical Multi Meter AQ2140 & AQ2742