

L660P120



### Description

Thorlabs' L660P120 is a 660 nm single-mode laser diode with 120 mW typical output power. It is manufactured by Oclaro as Item # HL65051DG. The diode is packaged in a standard Ø5.6 mm TO Can and has a C pin configuration.

### Specifications

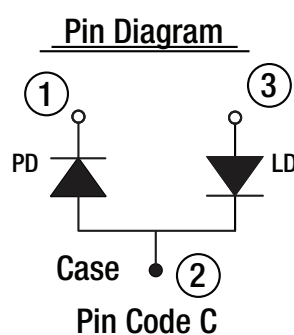
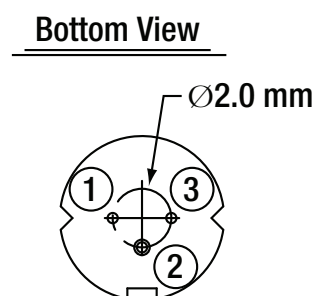
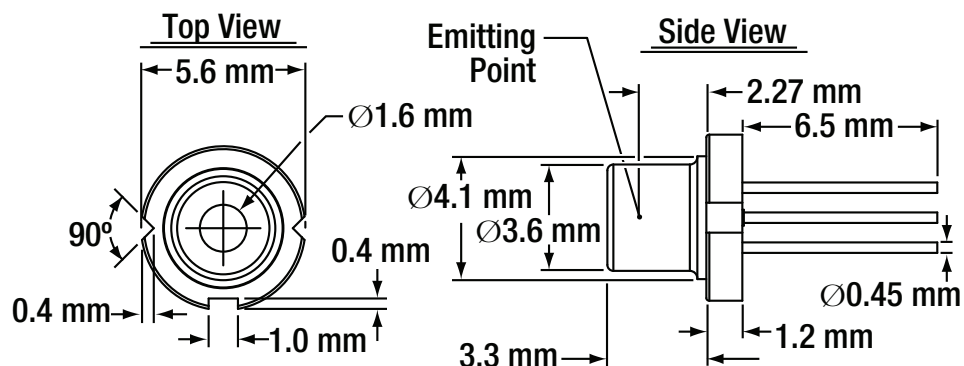
| L660P120                 |              |
|--------------------------|--------------|
| Absolute Max Power       | 130 mW       |
| LD Reverse Voltage (Max) | 2 V          |
| PD Reverse Voltage (Max) | 30 V         |
| Operating Temperature    | -10 to 60 °C |
| Storage Temperature      | -40 to 85 °C |



| L660P120                                     |                  |        |         |        |
|----------------------------------------------|------------------|--------|---------|--------|
| Characteristic                               | Symbol           | Min    | Typical | Max    |
| Center Wavelength                            | $\lambda_c$      | 652 nm | 660 nm  | 665 nm |
| Output Power                                 | $P_o$            | -      | 120 mW  | -      |
| Forward Voltage @ $P_o$                      | $V_F$            | -      | 2.5 V   | 3.3 V  |
| Beam Divergence (FWHM) Parallel @ $P_o$      | $\theta_{  }$    | 7°     | 10°     | 13°    |
| Beam Divergence (FWHM) Perpendicular @ $P_o$ | $\theta_{\perp}$ | 15°    | 17°     | 21°    |
| Operating Current CW @ $P_o$                 | $I_{OP}$         | -      | 175 mA  | 210 mA |
| Threshold Current                            | $I_{TH}$         | -      | 60 mA   | 75 mA  |
| Monitor Current @ $P_o$                      | $I_M$            | 0.1 mA | 0.4 mA  | 0.8 mA |

$T_{CHIP} = 25\text{ °C}$

## Drawing



| Pin | Description           |
|-----|-----------------------|
| 1   | Monitor Diode Cathode |
| 2   | Case Common           |
| 3   | Laser Anode           |