

SLD6163RL

Dual wavelength Laser Diode

Description

The SLD6163RL is a dual wavelength laser diode designed for DVD, CD and CD-R/RW playback.

Features

- Dual wavelength 650 nm/780 nm
- Low noise operation without high-frequency superposing circuit

Applications

DVD, CD and CD-R/RW playback

Structure

- AlGaInP quantum well structure laser diode
- PIN photo diode for optical power output monitor

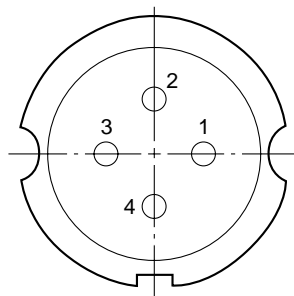
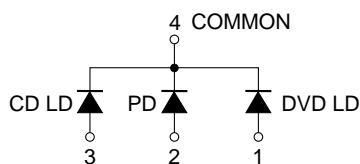
Recommended Optical Power Output

4 mW (DVD), 4 mW (CD)

Absolute Maximum Ratings (Tc = 25 °C)

- | | | | |
|-------------------------|-------------|------------|--------------------------|
| ● Optical power output | Pomax (DVD) | 5 | mW |
| | (CD) | 7 | mW |
| ● Reverse voltage | VR LD | 2 | V |
| | PD | 20 | V |
| ● Operating temperature | Topr | -10 to +70 | °C (Case temperature) |
| ● Storage temperature | Tstg | -40 to +85 | °C (Ambient temperature) |

Connection Diagram / Pin Configuration



Bottom View

1. DVD LD anode
2. PD anode
3. CD LD anode
4. COMMON