OVERVIEW

LD85D6SA is a MOCVD grown 850nm band AlGaAs laser diode with quantum well structure. It's an attractive light source, with a typical light output power of 5mW for industrial optical module and sensor applications.

APPLICATION

- Sensor
- Industrial Optical Module

FEATURES

- Visible Light Output : $\lambda_p = 850$ nm
- Optical Power Output : 5mW CW
- Package Type : TO-18 (5.6mmΦ)
- Built-in Photo Diode for Monitoring Laser Diode

ELECTRICAL CONNECTION

**Bottom View**

**Pin Configuration**

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<tr>
<td>A</td>
<td>LD cathode, PD anode (Fig. 1)</td>
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<td>B</td>
<td>LD , PD anode (Fig. 2)</td>
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<td>C</td>
<td>LD anode, PD cathode (Fig. 3)</td>
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**Figures**

- **Fig. 1**
  - LD85D6SA
- **Fig. 2**
  - LD85D6SB
- **Fig. 3**
  - LD85D6SC
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**NOTICE : LD85D6S-A/B/C to be operated on APC**

The above product specifications are subject to change without notice.
EXAMPLE of REPRESENTITIVE CHARACTERISTICS

**Optical Power vs Forward Current**

**Wavelength vs Temperature**

**Far Field Pattern (Po=10mW, Tc=258)**