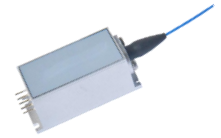


# 1105 LED Short Wavelength

**LD-685-15-PM-CM**



## 685 nm PM Laser Diode, 15 mW, 8-Pin

The LD-685-15-PM-CM is a 685 nm pigtailed laser module, with 8-pin package. This high-efficiency and high-stability product is featured in a TEC cooler and internal photodiode. The product has 15 mW output power and 4  $\mu$ m PM fiber. This laser can be used in medical laser treatment and biotechnology.

### FEATURES

- 685 nm Wavelength
- 15 mW Output Power
- 4  $\mu$ m PM Fiber
- Built-in TEC Cooling
- Built-in Photodiode
- 8-Pin Package

### USE IN

- Medical Laser Treatment
- Biotechnology

Output Power	15 mW typ.
Center Wavelength	685 $\pm$ 15 nm
Spectral Width (FWHM)	2 nm typ.
Threshold Current	35 mA typ.; 60 mA max.
Operating Current	100 mA typ.; 120 mA max.
Operating Voltage	2.7 V typ.; 3.0 V max.
Polarization Extinction Ratio	13 dB min.; 15 dB typ.
TEC Current	1.3 A max.
TEC Voltage	4.0 V max.
Thermistor	10 K
Fiber Type	PM Fiber
Fiber Core	4 $\mu$ m
Fiber Length	1 m (Standard)
Connector	FC/APC or Others
Complete Alignment	Slow Axis
Operating Temperature	-10 °C to +60 °C
Storage Temperature	-40 °C to +85 °C
Operating Humidity	15% to 75%

**Order notes to our customers:** The default parameters are as follows. For special needs, please contact sales.

**1) Connector FC/APC, 900  $\mu$ m, 1 m by default for all devices except for high power devices.**

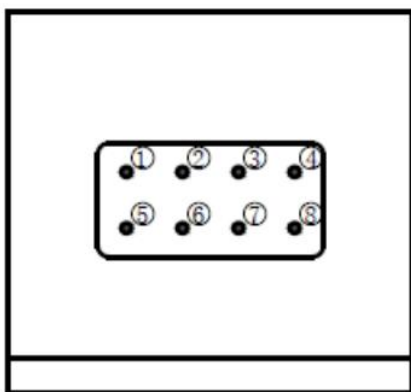
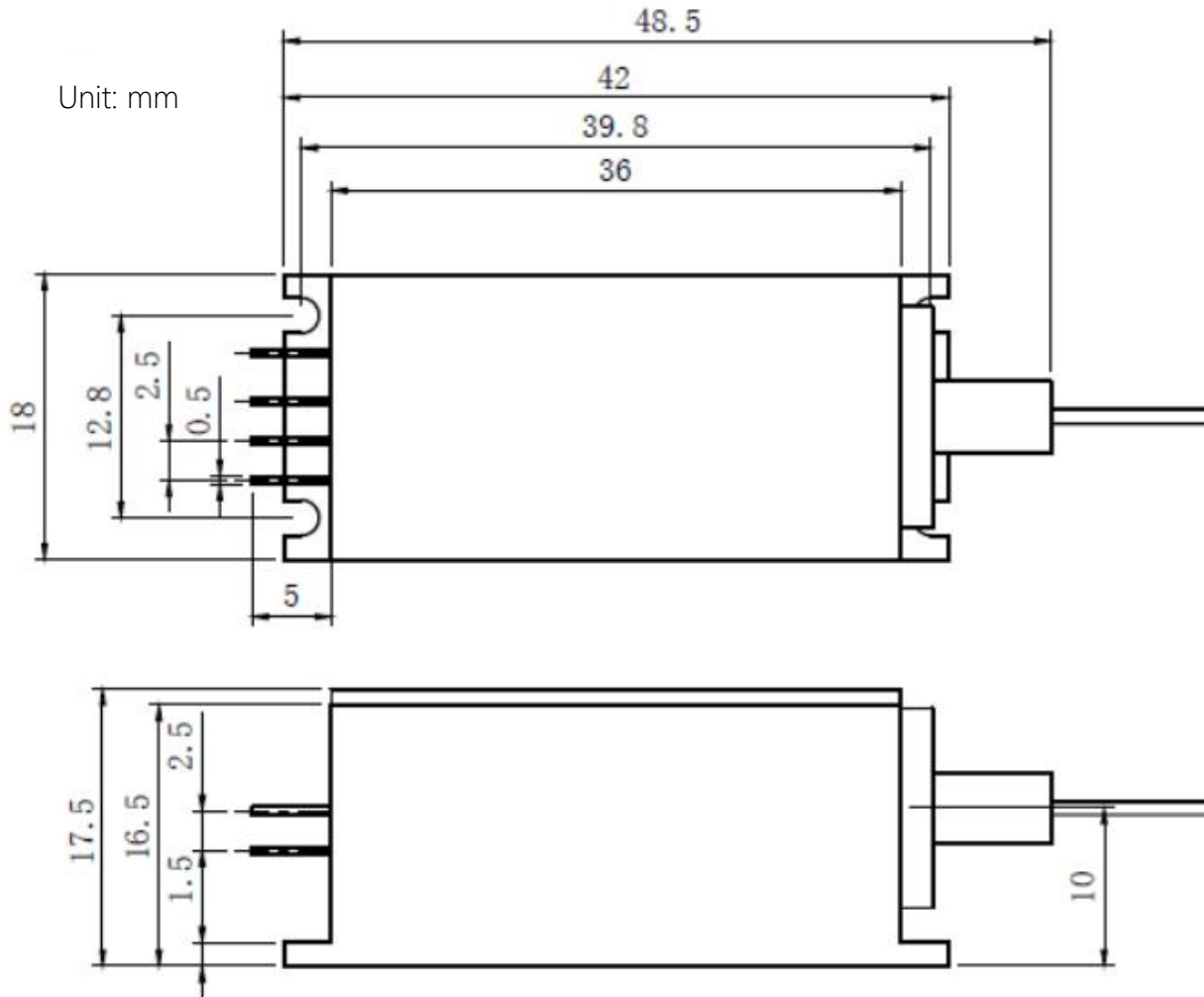
**2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.**

# 1105 LED Short Wavelength

**LD-685-15-PM-CM**



## MECHANICAL DRAWING



Pin#	Desc	Pin#	Desc
1	RT	5	PD (+)
2	LD (-)	6	NC
3	LD (+) & PD (-)	7	TEC (-)
4	RT	8	TEC (+)

**Order notes to our customers:** The default parameters are as follows. For special needs, please contact sales.

1) Connector FC/APC, 900 um, 1 m by default for all devices except for high power devices.

2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.