

1105 LED Short Wavelength

LD-785-40-PM-CM



785 nm PM Laser Diode, 40 mW, 8-Pin

The LD-785-40-PM-CM is a 785 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 40 mW output power and 5 μ m PM fiber. This laser can be used in medical laser treatment and biotechnology.

FEATURES

- 785 nm Wavelength
- 40 mW Output Power
- 5 μ m PM Fiber
- Built-in TEC Cooling
- Built-in Photodiode
- 8-Pin Package

USE IN

- Medical Laser Treatment
- Biotechnology

Output Power	40 mW typ.
Center Wavelength	785 \pm 5 nm
Spectral Width (FWHM)	2 nm typ.
Threshold Current	35 mA typ.; 50 mA max.
Operating Current	120 mA typ.; 140 mA max.
Operating Voltage	2.0 V typ.; 2.5 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	5 μ 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%

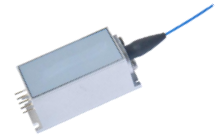
Order notes to our customers: The default parameters are as follows. For special needs, please contact sales.

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

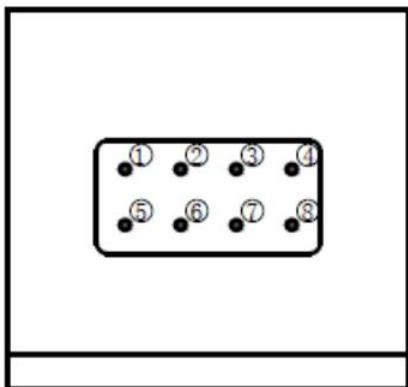
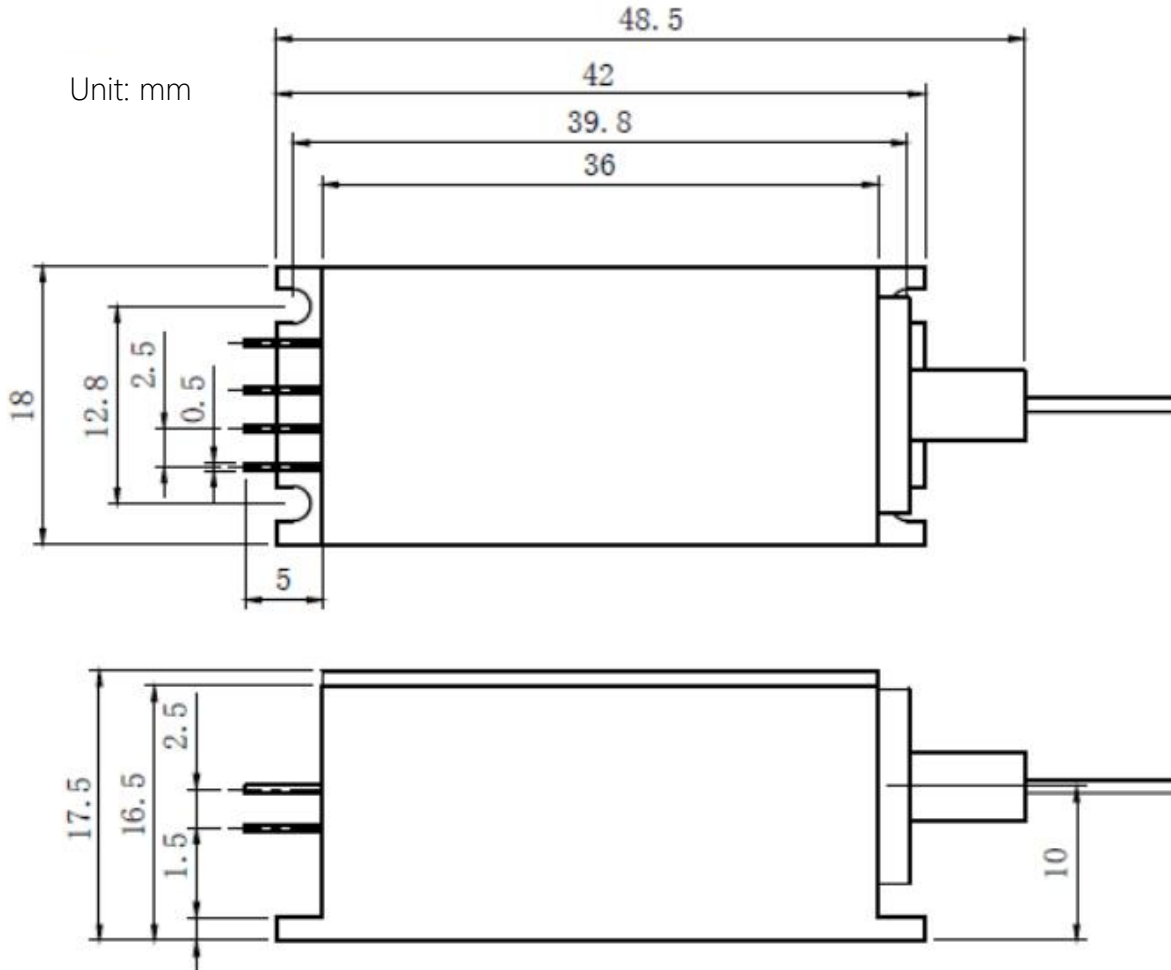
2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.

1105 LED Short Wavelength

LD-785-40-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.