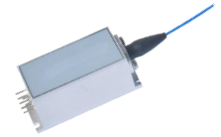


1105 LED Short Wavelength

LD-905-70-PM-CM



905 nm PM Laser Diode, 70 mW, 8-Pin

The LD-905-70-PM-CM is a 905 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 70 mW output power and 5 μ m PM fiber. This laser can be used in medical laser treatment and biotechnology.

FEATURES

- 905 nm Wavelength
- 70 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	70 mW typ.
Center Wavelength	905 \pm 10 nm
Spectral Width (FWHM)	2 nm typ.
Threshold Current	30 mA typ.; 70 mA max.
Operating Current	240 mA typ.; 260 mA max.
Operating Voltage	2.2 V typ.; 2.8 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 $^{\circ}$ C to +60 $^{\circ}$ C
Storage Temperature	-40 $^{\circ}$ C to +85 $^{\circ}$ 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.

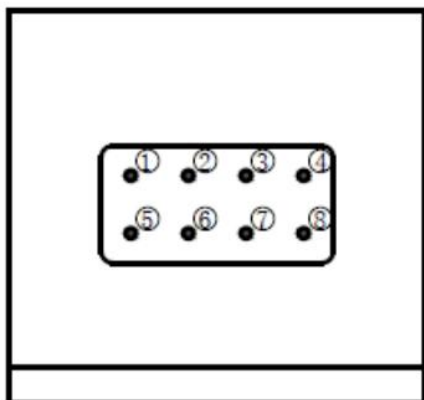
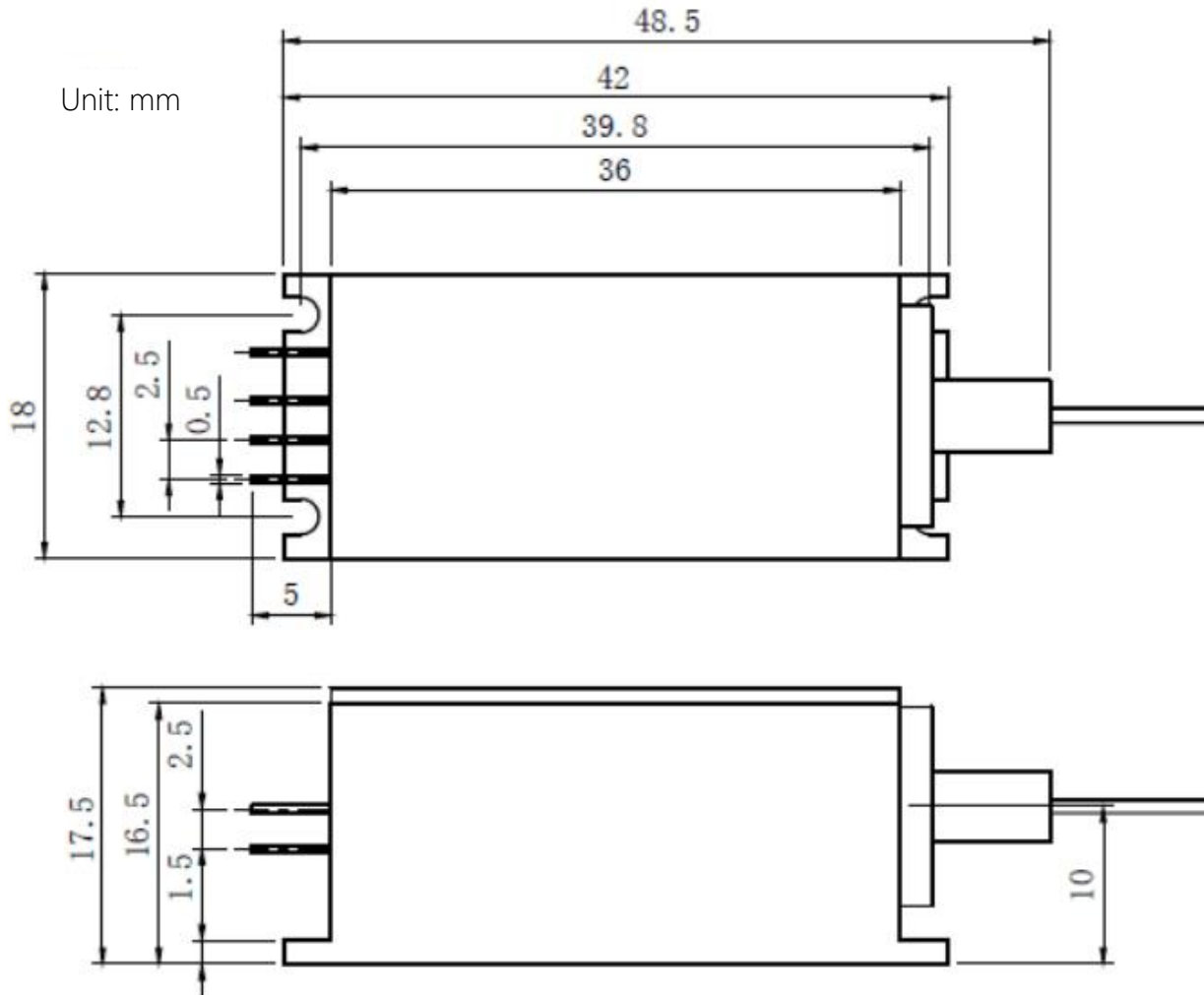
2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.

1105 LED Short Wavelength

LD-905-70-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 (+)

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- 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.