

# 1105 LED Short Wavelength

**LD-808-30-PM-HHL**



## 808 nm PM Laser Diode, 30 mW, High Heat Load (HHL) Package

The LD-808-30-PM-HHL is an 808 nm pigtailed laser module, with HHL package. This high-efficiency and high-stability product is featured in a TEC cooler and internal photodiode. The product has 30 mW output power and 5  $\mu$  m PM fiber. This laser can be used in medical laser treatment and biotechnology.

### FEATURES

- 808 nm Wavelength
- 30 mW Output Power
- 5  $\mu$  m PM Fiber
- Built-in TEC Cooling
- Built-in Photodiode
- HHL-01 Package

### USE IN

- Medical Laser Treatment
- Biotechnology

Output Power	30 mW typ.
Center Wavelength	808 $\pm$ 10 nm
Spectral Width (FWHM)	2 nm typ.
Threshold Current	30 mA typ.; 60 mA max.
Operating Current	140 mA typ.; 160 mA max.
Operating Voltage	2.2 V typ.; 3.0 V max.
Polarization Extinction Ratio	13 dB min.; 15 dB typ.
TEC Current	3.5 A max.
TEC Voltage	7.0 V max.
Thermistor	10 K
Fiber Type	PM Fiber
Fiber Core	5 $\mu$ 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

**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.**

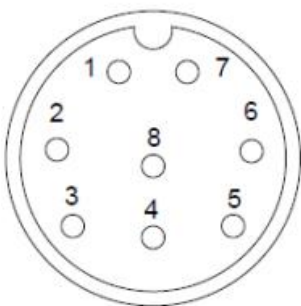
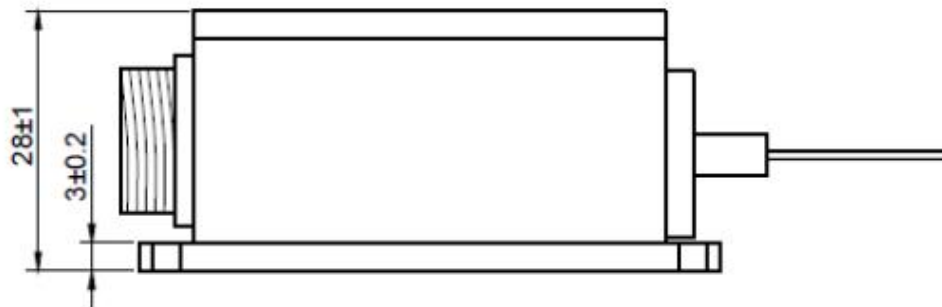
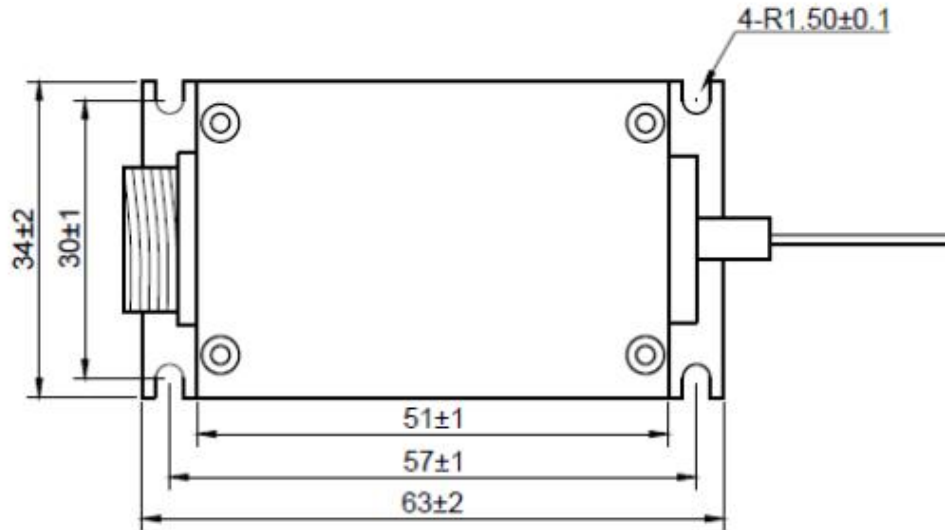
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## MECHANICAL DRAWING

Unit: mm



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

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