sales@wdmquest.com
www.wdmquest.com

1003 High Power Pump Module

LD-945-9 W-HP

945 nm, 9 W Microformat Laser Module

The module is a 945 nm fiber coupled diode laser, with 9 W output power. This high-efficiency and high-stability product is made of using professional coupling technology. The product also has high brightness, 105 μm 0.22 NA fiber. This laser can be used in optical amplifier, fiber laser pump laser source and optical pumping.

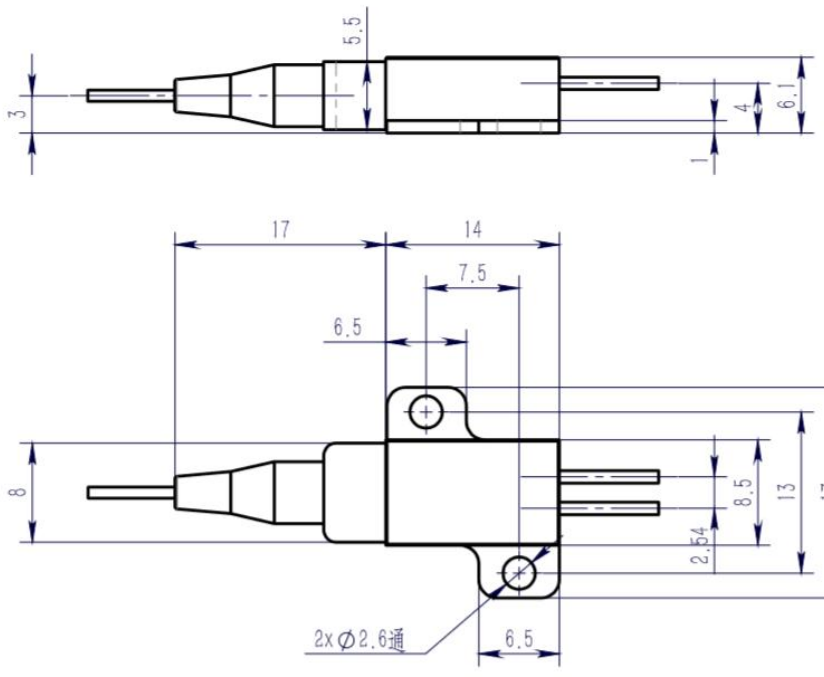
FEATURES

- 945 nm Center Wavelength
- 9 W Output Power
- 105 μm Core Diameter
- 0.22 NA

USE IN

- HFC
- Fiber Laser Pump Source

MECHANICAL DRAWING



Unit: mm

Pin	Function
1	LD+
2	LD-

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.

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CW-Output Power	9 W min.
Center Wavelength	940±5 nm
Spectral Width	3.0 nm max.
Wavelength Shift with Temperature	0.3 nm/°C typ.
Wavelength Shift with Current	0.8 nm/A typ.
$P_{0.15NA}/P_{0.22NA}$	85% typ.
Electrical-to-Optical Efficiency	52% typ.
Operating Current	12 A typ.; 13 A max.
Threshold Current	1.2 A typ.
Operating Voltage	1.6 V typ.; 1.8 V max.
Slope Efficiency	0.9 W/A typ.
Core Diameter	105 μm typ.
Cladding Diameter	125 μm typ.
Coating Diameter	250 μm typ.
Buffer Diameter	0.9 mm
Numerical Aperture	0.22 N.A. typ.
Bending Radius	37.5 mm min.
Antireflection Wavelength Range	1040 nm to 1200 nm
Antireflection Isolation	30 dB typ.
ESD	500 V max.
Operating Case Temperature	15°C to +35°C
Storage Temperature	-40°C to +70°C
Operating Humidity	15% to 85%

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