



YDFA-XX-PM-R



DEVICE

Single Pump Ytterbium Doped Fiber Amplifier, Polarization Maintaining (PM), Rackmount

OVERVIEW

The Optilab YDFA-XX-PM-R is a polarization maintaining optical amplifier unit designed for applications requiring high efficiency optical amplification in the 1060 nm regime in both CW and pulse mode operations. It is a self-contained, turn-key standard 1U rackmount designed to supply high and stable gain across the specified range of the wavelength window with optical output power up to +19 dBm.

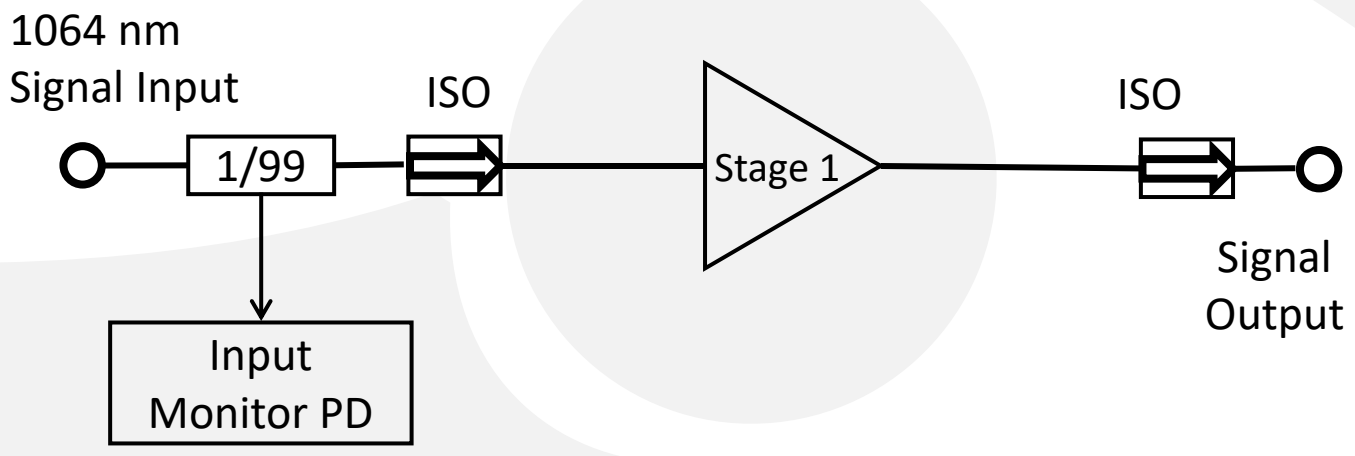
FEATURES

- PM Output
- High SNR near saturation power
- Saturation power Up to +20 dBm
- Single Stage Amplification
- Pulse and CW operation modes
- Interlock safety feature
- Single Stage Amplification

USE IN

- SHG
- Medical
- Industrial
- Fiber Optic Sensing
- Lower Power Pulse Amplification
- MOPA

FUNCTION DIAGRAM





YDFA-XX-PM-R

SPECIFICATIONS

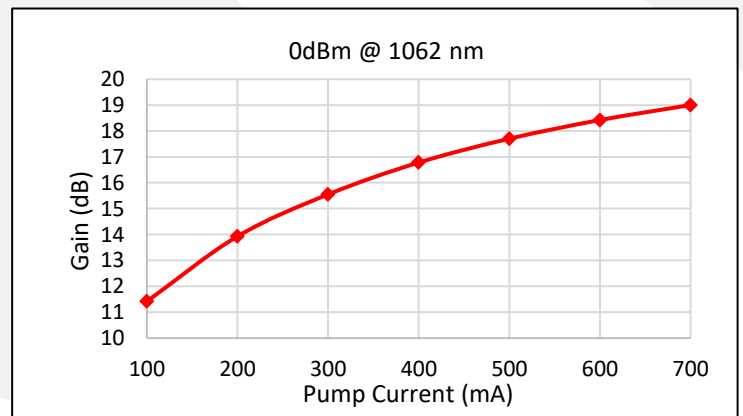
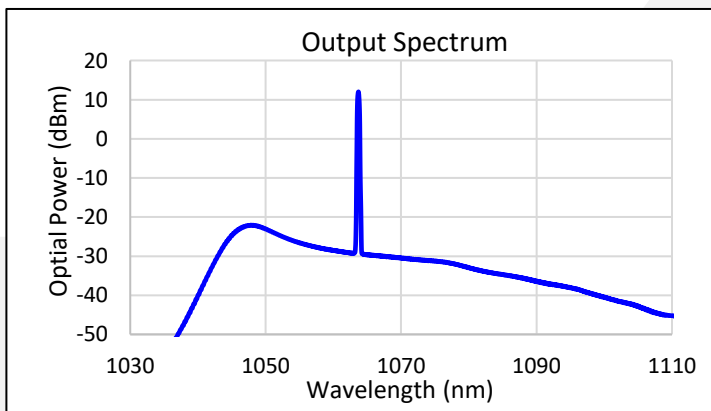
GENERAL

Wavelength Range	1050 nm to 1074 nm (Other Range Available upon Request)
Input Power Level	-10 dBm to 10 dBm
Output Power	Up to +20 dBm
Input Isolation	>30 dB
Output Isolation	>30 dB
Gain	25 dB @ 0 dBm
Optical Input/Output fiber type	PM 980
Control Mode	ACC
Remote Control interface	RS232 via USB

MECHANICAL

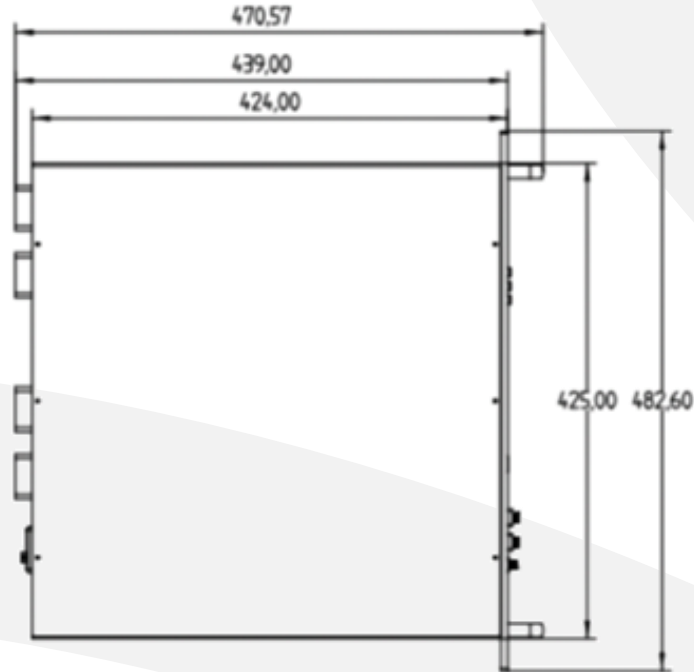
Operating temperature	+10°C to +30°C
Storage temperature	-10°C to +70°C
Power Supply	100 to 240 VAC
Control	Pump laser current, enable switch
Monitoring	Pump laser current, input power
Dimensions	250(W)x300(L)x100(H) (mm)

SAMPLE TEST DATA



YDFA-XX-PM-R

MECHANICAL DRAWING



ORDERING OPTIONS

YDFA-XX-PM-R

XX Output Power Level: 17, 18, 20 dBm

RELATED MODULE

- **YDFA-PA-MSA**



The Optilab YDFA-PA-MSA is a high-gain Dual Stage Pre-amplifier module in a multiple source agreement footprint housing, which allows cost-efficient OEM integration solution for YDFA.

