

# YDFA-XX-PM-BM



DEVICE

## Single Pump Ytterbium Doped Fiber Amplifier, Polarization Maintaining (PM), Big Module

OVERVIEW

The Optilab YDFA-XX-PM-BM 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 Big Module designed to supply high and stable gain across the specified range of the wavelength window with optical output power up to +19 dBm.

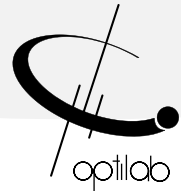
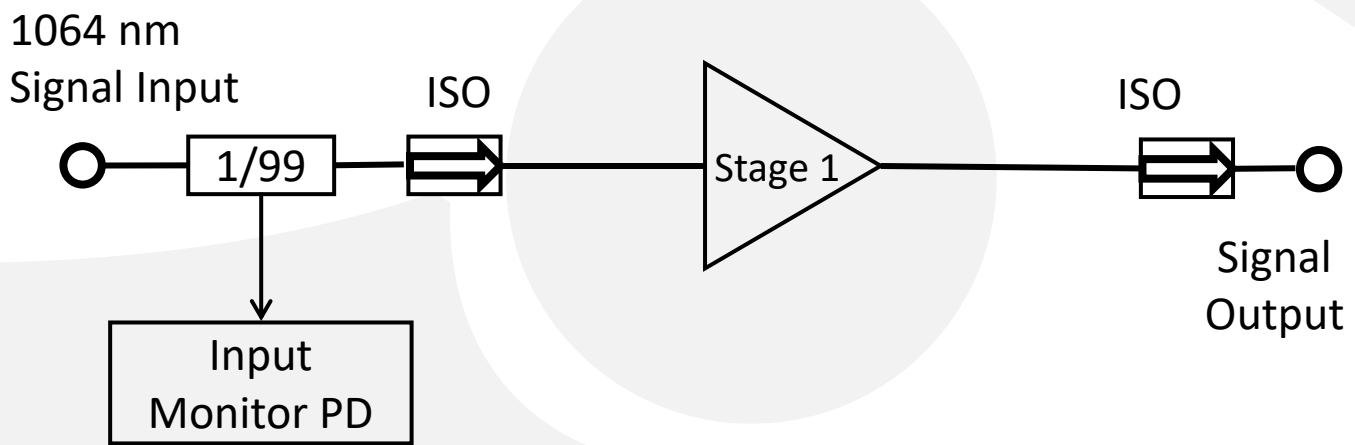
FEATURES

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

USE IN

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

FUNCTION DIAGRAM





# YDFA-XX-PM-BM

## SPECIFICATIONS

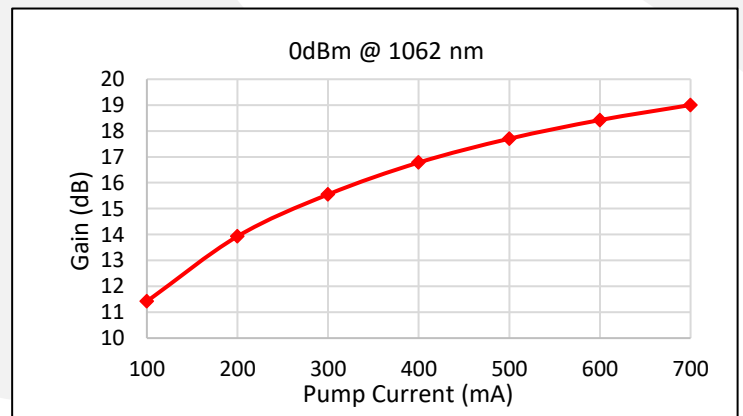
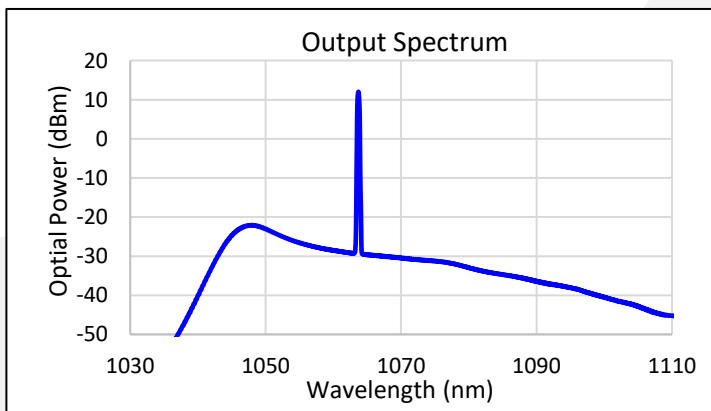
### GENERAL

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

### 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
Computer Communication Interface	RS-232 via USB
Touch Screen	5 inch LCD
Dimensions	380(L) x 190(W) x 95(H) (mm)

### SAMPLE TEST DATA





# YDFA-XX-PM-BM

## ORDERING OPTIONS

### YDFA-XX-PM-BM

**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.