



YDFA-XX-PM-BM



DEVICE

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

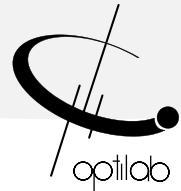
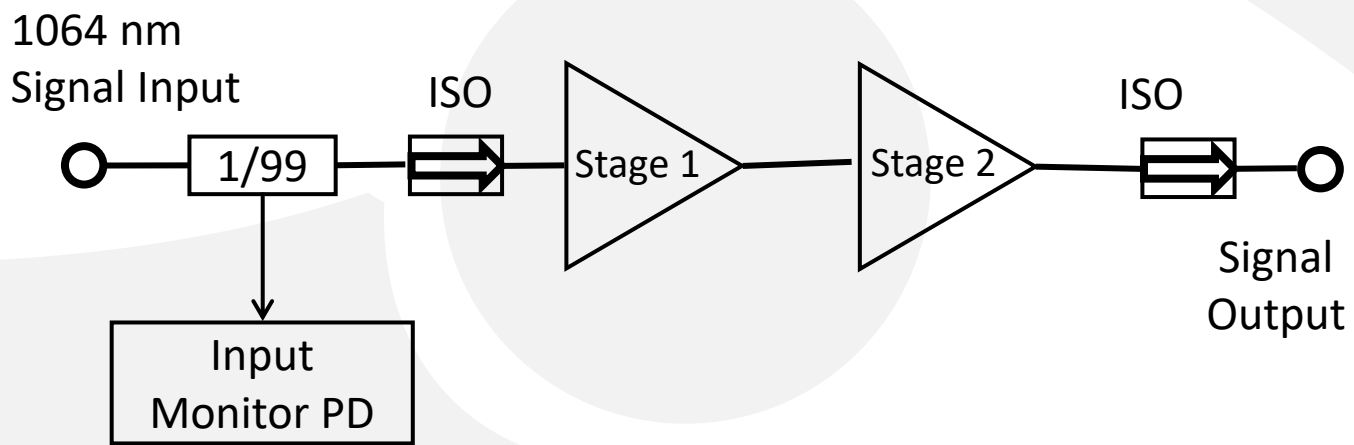
OVERVIEW

The Optilab YDFA-XX-PM-BM is a high-gain dual pumped 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 +30 dBm.

- FEATURES
- PM Output
 - High SNR near saturation power
 - Saturation power Up to +30 dBm
 - Dual Stage Amplification
 - Pulse and CW operation modes
 - Interlock safety feature
 - Gain up to 40dB

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

FUNCTION DIAGRAM





YDFA-XX-PM-BM

SPECIFICATIONS

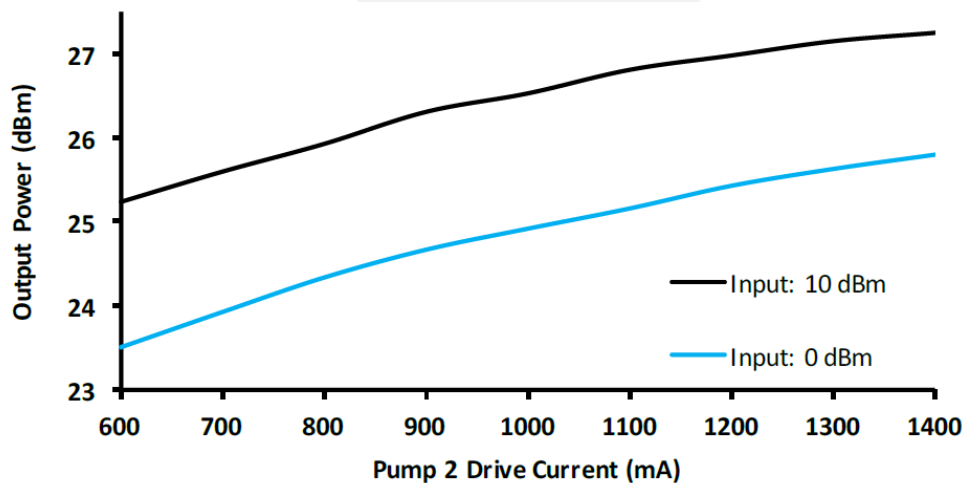
GENERAL

Wavelength Range	1050 nm to 1074 nm (Other Range Available upon Request)
Input Power Level	-10 dBm to 0 dBm
Output Power	Up to + 30 dBm
Input Isolation	>30 dB
Output Isolation	>30 dB
Gain	40 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: 25, 27, 30 dBm

RELATED BENCHTOP

- **YDFA-40-PM-B**



The Optilab YDFA-40-PM-BM is a polarization maintaining high power ytterbium doped fiber amplifier up to +40 dBm. It features easy to use touch screen front panel control. Contact Optilab for more details