



YDFA-30-BM



DEVICE

Dual Pump Ytterbium Doped Fiber Amplifier, Big Module

OVERVIEW

The Optilab YDFA-30-BM is a high-gain dual pumped single mode 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.

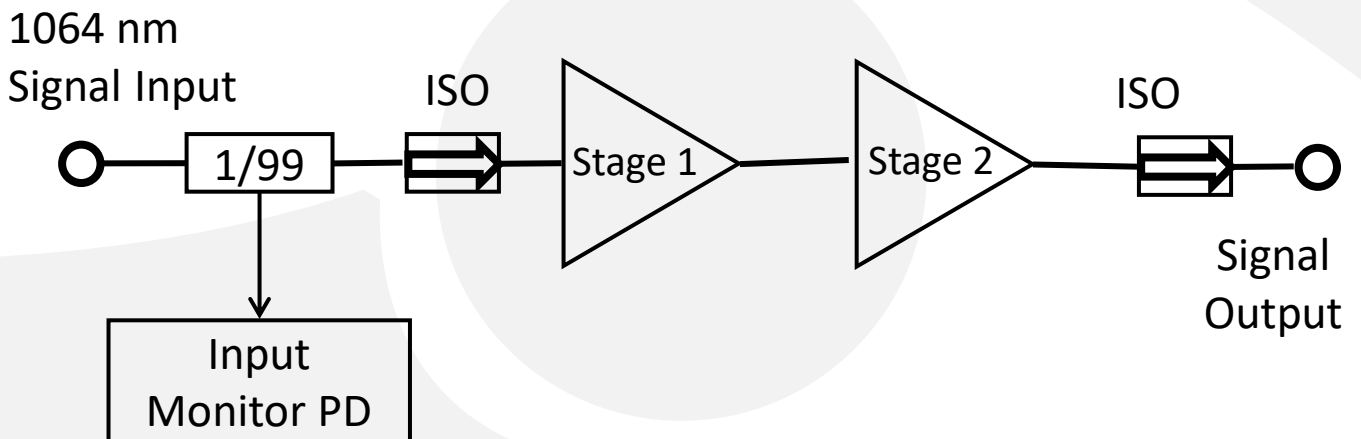
FEATURES

- High SNR near saturation power
- Saturation power Up to +27 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-30-BM

SPECIFICATIONS

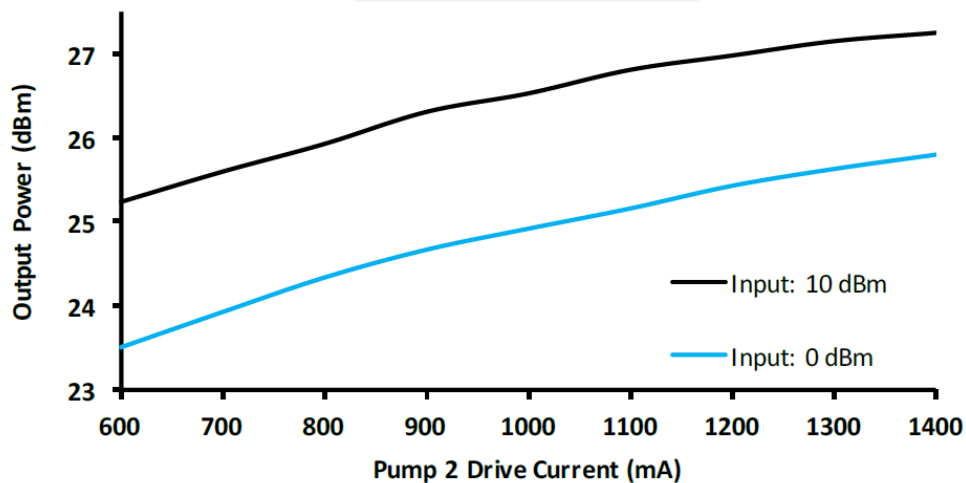
GENERAL

Wavelength Range	1050 nm to 1074 nm (Other Range Available upon Request)
Input Power Level	-10 dBm to 10 dBm
Output Power	Up to +30dBm
Input Isolation	>30 dB
Output Isolation	>30 dB
Gain	40 dB @ 0 dBm
Optical Input fiber type	HM1060, FC/APC Connector
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-30-BM

ORDERING OPTIONS

YDFA-XX-BM

XX Output Power Level: 25, 27, 30 dBm

RELATED BENCHTOP

- **YDFA-40-B**



The Optilab YDFA-40-B is a 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