



YDFA-19-R



DEVICE

Single Pump Ytterbium Doped Fiber Amplifier, Rackmount

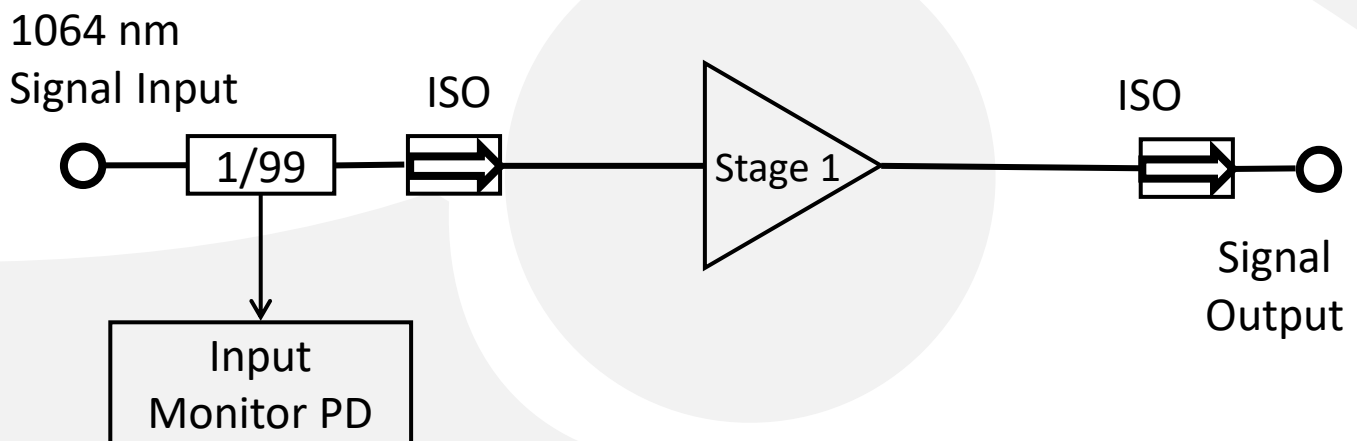
OVERVIEW

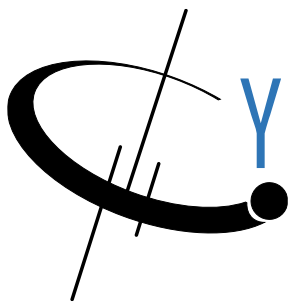
The Optilab YDFA-19-R is a single mode optical amplifier unit designed for applications requiring high efficiency optical amplification in the 1060 nm regime in both CW and pulse mode operations. It is a self-contained, turn-key standard 1U rackmount designed to supply high and stable gain across the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

- FEATURES
- High SNR near saturation power
 - Saturation power Up to +19 dBm
 - Single Stage Amplification
 - Pulse and CW operation modes
 - Interlock safety feature

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

FUNCTION DIAGRAM





YDFA-19-R

SPECIFICATIONS

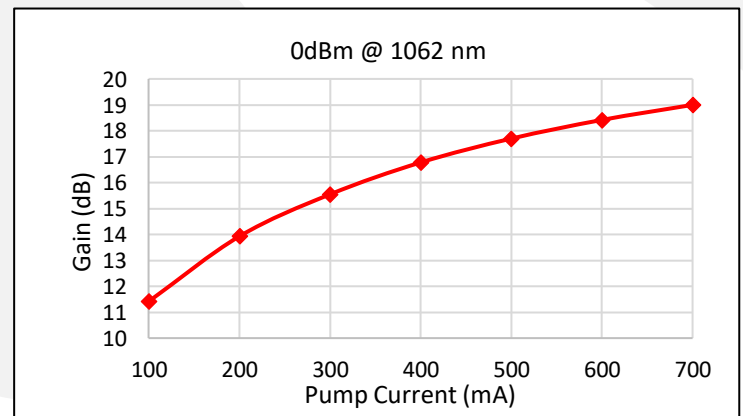
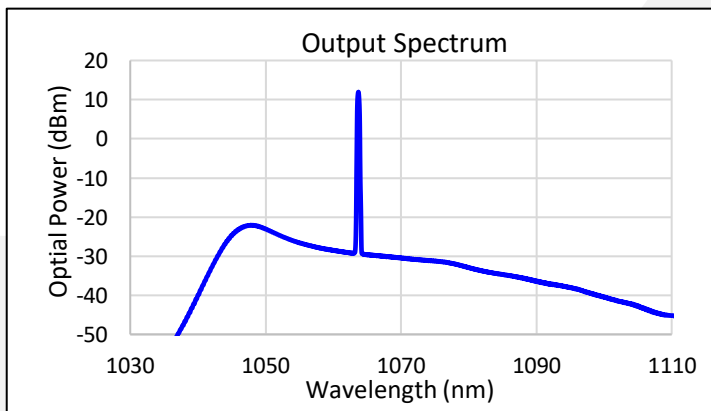
GENERAL

Wavelength Range	1050 nm to 1074 nm (Other Range Available upon Request)
Input Power Level	-10 dBm to 10 dBm
Output Power	Up to +19dBm
Input Isolation	>30 dB
Output Isolation	>30 dB
Gain	25 dB @ 0 dBm
Optical Input fiber type	HN1060, FC/APC Connector
Control Mode	ACC
Remote Control interface	RS232 via USB

MECHANICAL

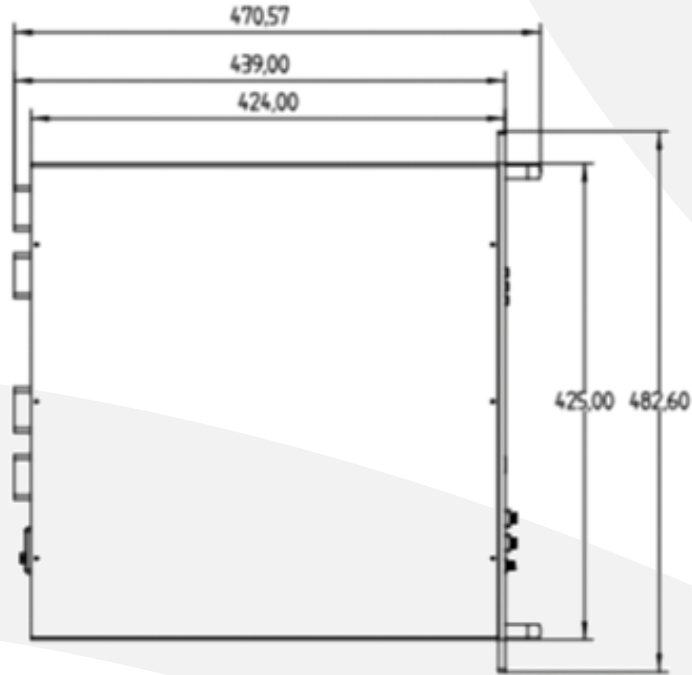
Operating temperature	+10°C to +30°C
Storage temperature	-10°C to +70°C
Power Supply	100 to 240 VAC
Control	Pump laser current, enable switch
Monitoring	Pump laser current, input power
Dimensions	250(W)x300(L)x100(H) (mm)

SAMPLE TEST DATA



YDFA-19-R

MECHANICAL DRAWING



ORDERING OPTIONS

YDFA-XX-R

XX Output Power Level: 17, 18, 19 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.

