

EYDFA-30



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High Power Fiber Amplifier +30 dBm

Optilab's EYDFA-30 is a High Power Fiber Amplifier that utilizes multimode laser pumping, all-fiber combiner and Erbium/Ytterbium double-clad, large-core fiber technologies to achieve high output power in conjunction with low cost. The output level of the EYDFA-30 amplifier exceeds 5 W in CW operation, and adding an optional input stage EDFA allows a low input signal level of -25 dBm. It's highly reliable production proven pump laser sources ensure long-term reliability. Each EYDFA-30 comes with Labview-based control software via RS-232, and an armored fiber pigtailed output for protecting the fiber during high output. HPFA units can be customized to meet requirements for optical pulse amplification, LIDAR, CATV, FTTH and PON networks, and free space communications. Contact Optilab for more information.

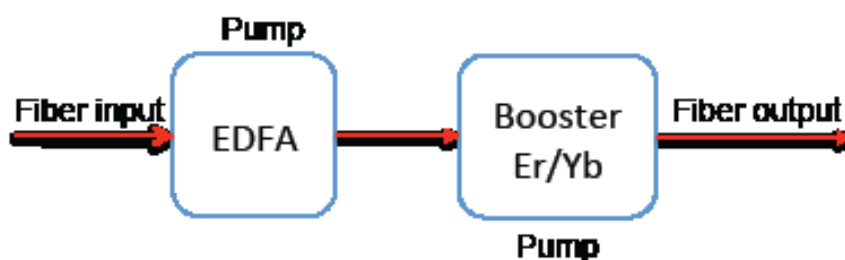
Features

- High output power options
- Customizable for various application
- High optical gain of
- Control with RS-232 interface
- 1 year warranty standard

Applications

- Optical pulse amplification
- LIDAR
- CATV
- FTTH
- PON networks
- Free space communications

Functional Diagram



High Power Fiber Amplifier +30 dBm | EYDFA-30

OPTIONS

EYDFA-30

TECHNICAL INFO

For technical info and support:

sales@optilab.com

www.optilab.com

WEB ORDER

To order, please visit OEQuest.com.



Optilab Advantage

- Innovation
- Performance
- Quality
- Customization
- Warranty

Optical Specifications	
Operating Range	C-band, 1540 nm to 1570 nm
Output Power Levels	+30 dBm
Signal Gain @ 0 dBm	33 dBm to 50 dBm
Input Signal Range	-6 to +6 dBm; -25 dBm to 0 dBm (with input stage EDFA)
Noise Figure (NF)	5.0 dB typ.
Input/Output Opt. Isolation	30 dB min.
Polar. Dependent Gain	0.15 dB max.
Input/Output Fiber Type	Corning SMF-28
Mechanical Specifications	
Operating Temperature	0° C to +50° C
Storage Temperature	-30° C to +70° C
Power Supply Requirements	80 - 240 V, 43 - 63 Hz AC
Power Consumption	100 W max.
Control	Automatic Current Control
Monitoring	Output Power, Pump Laser Current, Case Temperature
Computer Interface	RS-232 Connector
Display	Output Power, Pump Laser Temperature, Current
Protection	Pump Laser Overheat Warning, Key lock switch
Optical Input Connectors	FC/APC, FC/UPC, SC/UPC, SC/APC
Optical Output Connectors	Bare fiber, connector optional
Housing Dimensions	3U: 19" x 14.5" x 4.5"
Housing	Steel Frame

25 dB Gain Pre-Amp EDFA Module, C-band | EDFA-PA-M

Related Products