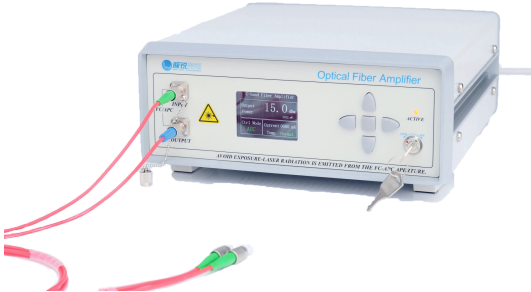


High Power Single-Mode Erbium-doped Fiber Amplifier for C-band

ERBIUM-DOPED FIBER AMPLIFIERS (EDFA)



High Power Erbium-Ytterbium Co-Doped Fiber Amplifier (EYDFA-HP) is based on the principle of stimulated light amplification of optical signals in erbium-ytterbium co-doped fibers. It utilizes a uniquely designed optical path structure and reliable high-power laser heat dissipation technology to achieve high-power laser output within the Operating Wavelength of 1535~1565nm. With the advantages of high power and low noise, it can be used in fiber optic communications, lidar, and other applications.

- Maximum power of up to 10 watts
- Fiber Communication
- High Gain
- Fiber Sensing
- Wide operating wavelength
- Fiber Laser

Specifications

Parameter	Specification
Operating Wavelength (nm)	1535 ~1565
Input signal power (dBm)	-6~+10
Saturated output power (dBm)	27/30/33/35/37/40
Adjustable range of output power	10%~100%
Noise Figure (dB)	<6.0
Gain wavelength non-uniformity (dB)	≤1
Polarization dependent gain (dB)	≤ 0.5
Polarization mode dispersion (ps)	0.5
Input/Output Isolation (dB)	>35
Optical power monitoring	Input / Output power
Optical fiber and connectors	SMF-28 , FC/APC
Control Mode	Automatic current control (ACC)/ Automatic power control (APC)

* Saturated output power: @-3dBm Input

* Gain wavelength non-uniformity: @For different wavelengths

* Optical fiber and connectors: For power testing only

Source: WaveQuanta product database. For ordering, customization (wavelength, power, package) and quotation, contact sales@wavequanta.com.