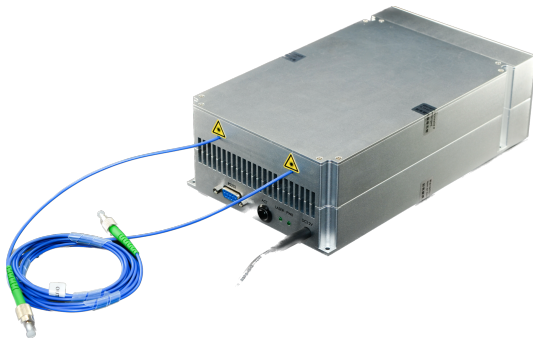


High Power Polarization Maintaining EDFA for L-band

ERBIUM-DOPED FIBER AMPLIFIERS (EDFA)



The high-power polarization-maintaining erbium-doped fiber amplifier is based on the principle of stimulated light amplification of optical signals in erbium-doped fibers. It employs an efficient polarization-maintaining fiber optical amplification design and high-power laser heat dissipation technology to achieve high-power polarization-maintaining output for laser wavelengths ranging from 1570 to 1605nm. With the advantages of high power, high extinction ratio, and low noise, it can be applied in fields such as optical fiber communication and lidar.

- High output power
- High Gain
- Fully polarization-maintaining optical path
- Applications
- Fiber Communication
- Fiber Sensing
- Lidar

Specifications

Parameter	Specification
Operating Wavelength (nm)	1570~1605
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
Extinction Ratio PER (dB)	23(Type), 20(Min)
Input/ Output Isolation (dB)	>35
Optical power monitoring	Input optical power monitoring, Output Power
Optical Fiber	PM1550
Fiber Connectors	FC/APC
Control Mode	Automatic current control (ACC)/ Automatic power control (APC)

* Operating Wavelength: Other wavelengths can be customized

* Saturated output power: @ 0 dBm Input

* Noise Figure: @ 0 dBm Input

* Fiber Connectors: For power testing only

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