

EDFA Bench Top



Applications

- Short pulse amplification
- C-band channel amplification booster, Pre-amp
- Narrow band amplification in access network or CATV network
- DWDM metro network
- Core network

Features

- Nominal gain 25 to 35 dB
- Saturated output power up to 37 dBm
- Wavelength range 1530 to 1565 nm
- Input power range from -25 to 10 dBm
- Low noise figure
- Easy operation
- Long term stability

The Erbium-Doped Fiber Amplifier (AMP) bench top is an optical amplifier system using erbium-doped fiber as the gain medium that provides high gain and a low noise figure. Calmar's AMP is optimized for short pulse amplification. It offers exceptional stable and reliable performance with turnkey operation. Along with a portable design, AMP provides stable saturated output power up to 37 dBm and noise figure of less than 6 dB. It offers either a polarization-maintaining (PM) or non-PM fiber output. The polarization maintaining EDFA (AMP-PM) ensures the amplified output is linearly polarized and eliminates unwanted polarization effects. An option for an L-band EDFA is also available.

Technical Specifications

High Power EDFA Polarization Maintaining Series

Model Number	AMP-PM-18	AMP-PM-22	AMP-PM-30	AMP-PM-37
Output Power (dBm)*	18	22	30	37
Input Power Range (dBm)	-25 ~ +10	-25 ~ +10	0 ~ 3	0 ~ 3
Wavelength (nm)**	1530 ~ 1565	1530 ~ 1565	1540 ~ 1565	1540 ~ 1565
Typical Noise Figure (dB)	<5.5	<6.0	<6.5	<6.5
Polarization Extinction Ratio (dB)	>20	>20	>17	>17
Operating Temp (°C)	0 ~ 50			
Operating Voltage (VAC)	85 ~ 264			
Dimensions (cm)	34(w) x 42(d) x 9(h)		48(w) x 44(d) x 14(h)	

* Other output powers are available.

** L-band is available.

High Power EDFA Series

Model Number	AMP-ST-18	AMP-ST-22	AMP-ST-30	AMP-ST-37
Output Power (dBm)*	18	22	30	37
Input Power Range (dBm)	-25 ~ +10	-25 ~ +10	0 ~ 3	0 ~ 3
Wavelength (nm)**	1530 ~ 1565	1530 ~ 1565	1540 ~ 1565	1540 ~ 1565
Typical Noise Figure (dB)	5.5	5.5	6.0	6.0
Operating Temp (°C)	0 ~ 50			
Operating Voltage (VAC)	85 ~ 264			
Dimension (cm)	34(w) x 42(d) x 9(h)		48(w) x 44(d) x 14(h)	

* Other output powers are available.

** L-band is available.

Due to our continuous improvement program, specifications are subject to change without notice.

