

OVERVIEW



APPLICATIONS

- High speed transmission
- Optical switching
- Fiber laser signal amplification
- Pulse compression

FEATURES

- Dual knob pump control
- Dispersion compensated output available
- Polarization maintaining output available

ADVANTAGES

- High Performance – Offers several saturation power levels with very low noise and wide bandwidth
- Precision – Amplification of input signals without penalty due to dispersion or polarization effects
- Flexibility – Dual pump design to optimize saturation power, noise, and gain flatness levels

PRODUCT SPECS

STANDARD EDFA SERIES

AMP-ST Specifications

	AMP-ST-15	AMP-ST-17	AMP-ST-20	AMP-ST-23
Saturated Output Power	15 dBm	17 dBm	20 dBm	23 dBm
Small Signal Gain	25 dB	30 dB	35 dB	35 dB
Wavelength Range	1530 - 1565 nm	1530 - 1565 nm	1530 - 1565 nm	1530 - 1565 nm
Noise Figure	< 4 dB Typical	< 5 dB typical	< 6 dB typical	< 6 dB typical
Operating Temperature	10 - 35	10 - 35	10 - 35	10 - 35
Operating Voltage	85 - 264 VAC 47 - 63 Hz	85 - 264 VAC 47 - 63 Hz	85 - 264 VAC 47 - 63 Hz	85 - 264 VAC 47 - 63 Hz
Package Dimension	25 x 37 x 16 cm	25 x 37 x 16 cm	25 x 37 x 16 cm	25 x 37 x 16 cm

DISPERSION COMPENSATED EDFA SERIES

AMP-LD Specifications

	AMP-LD-15	AMP-LD-17	AMP-LD-20	AMP-LD-23
Chromatic Dispersion	< 0.01 ps/nm	< 0.01 ps/nm	< 0.01 ps/nm	< 0.01 ps/nm
Saturated Output Power	15 dBm	17 dBm	20 dBm	23 dBm
Small Signal Gain	25 dB	30 dB	35 dB	35 dB
Wavelength Range	1530 - 1565 nm	1530 - 1565 nm	1530 - 1565 nm	1530 - 1565 nm
Noise Figure	< 4 dB Typical	< 5 dB typical	< 6 dB typical	< 6 dB typical
Operating Temperature	10 - 35	10 - 35	10 - 35	10 - 35
Operating Voltage	85 - 264 VAC 47 - 63 Hz	85 - 264 VAC 47 - 63 Hz	85 - 264 VAC 47 - 63 Hz	85 - 264 VAC 47 - 63 Hz
Package Dimension	25 x 37 x 16 cm	25 x 37 x 16 cm	25 x 37 x 16 cm	25 x 37 x 16 cm

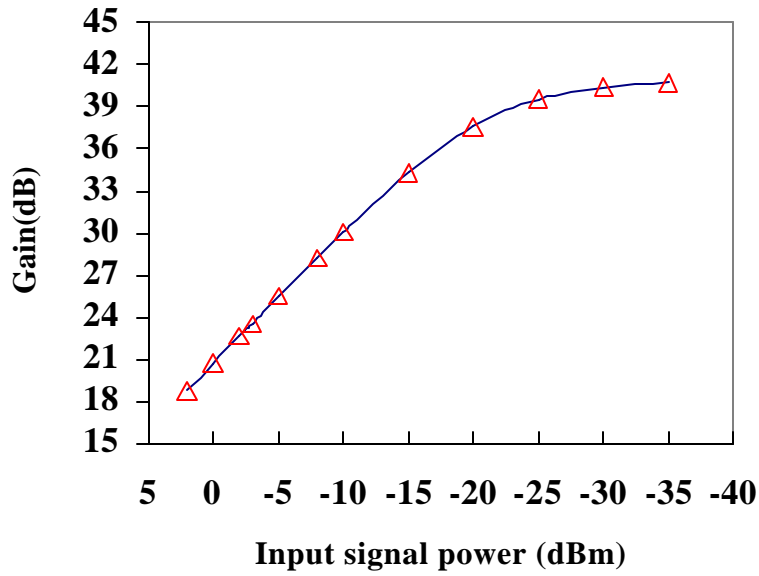
POLARIZATION MAINTAINING EDFA SERIES

AMP-PM Specifications

	AMP-PM-15	AMP-PM-18	AMP-PM-22
Polarization Extinction	> 22 dB	> 22 dB	> 22 dB
Saturated Output Power	15 dBm	18 dBm	22 dBm
Small Signal Gain	25 dB	30 dB	32 dB
Wavelength Range	1530 - 1565 nm	1530 - 1565 nm	1530 - 1565 nm
Noise Figure	< 4 dB typical	< 5 dB typical	< 6 dB typical
Operating Temperature	10 - 35	10 - 35	10 - 35
Operating Voltage	85 - 264 VAC 47 - 63 Hz	85 - 264 VAC 47 - 63 Hz	85 - 264 VAC 47 - 63 Hz
Package Dimension	25 x 37 x 16 cm	25 x 37 x 16 cm	25 x 37 x 16 cm

PERFORMANCE

Gain vs. input power for AMP-ST-20



Output power vs. input power for AMP-ST-20

