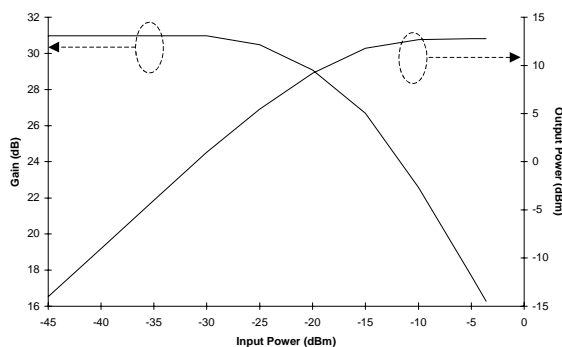




- Small signal gains in excess of 28dB
- Saturated output power greater than 10dBm (10mW)
- User control of gain / output power
- 19" rack mounted and/or benchtop use
- Optically isolated input and output as standard
- Noise figure (NF) less than 5.5dB
- FC/APC connectors as standard
- Custom options available

Product description

OPTOSCI's EDFA-1 instrument is a competitively priced unit offering gains in excess of 28dB with saturated output powers greater than 10dBm. It employs a 980nm co-directional pump scheme and the gain / output signal power of the amplifier can be altered by adjusting the front panel pump power control. It also contains input and output optical isolators and uses FC/APC connectors as standard. The standard EDFA-1 can either be used as a benchtop unit or 19" rack mounted if required. Custom options are available, so please contact us to discuss your requirements.



Typical power & gain characteristics as a function of input power at 1550nm

Specifications¹

Model	EDFA-1
Wavelength Range (nm)	1530-1560
Small Signal Gain (dB) (-30dBm input @ 1550nm, Max. Pump)	> 28
Saturated Output Power (dBm) (Max. Pump)	> 10
Output Power (dBm) (1mW input, Max. Pump)	> 12
Noise Figure (dB) (-30dBm input @ 1550nm, Max. Pump, with isolators)	< 5.5
Input and Output Isolation (dB)	> 35
Pump Wavelength (nm)	980
Input and Output Connectors	FC/APC

Ordering information

EDFA-1	Erbium Doped Fibre Amplifier
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¹ Since OPTOSCI are committed to continuously improving the design and performance characteristics of our products, these specifications are subject to change without notice.

Date: May 2001