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TECHNOLOGY GROUP

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Find the *INO FAL* at our website: ***Click HERE***

Fiber Amplifier

FAL Series

L-Band



Benchtop Erbium-Doped Fiber Amplifier

The FAL is a benchtop optical fiber amplifier for the L-Band featuring low noise figure and high gain and output power. The gain flattening option makes this EDFA an ideal choice for DWDM applications.

INO manufactures key amplifier components in-house to bring an added dimension of specialized expertise to EDFA fabrication. In addition to producing its own erbium-doped fiber, INO also designs and builds the Bragg gratings, including the phase masks, used in gain flattening filters, ensuring maximum quality and reliability. This gives us the unique ability to build better amplifiers and custom-design them to suit your needs.

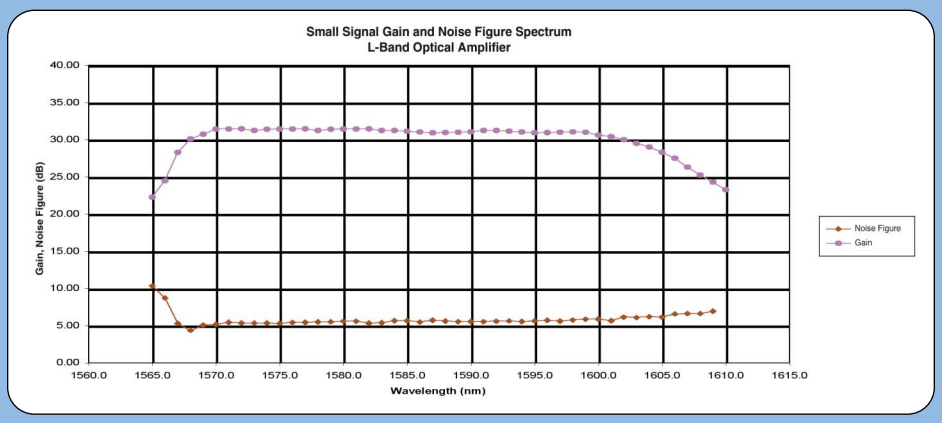
Key Features

Output power	15 dBm	18 dBm	20 dBm
Gain	32 dB @ 1580 nm	35 dB @ 1580 nm	42 dB @ 1580 nm

- Gain flatness: +/- 0.25 dB from 1570 to 1600 nm*
- Noise figure: < 5.5 dB
- Gain locking(1): +/- 0.5 dB from 20 to 30 dB*

*Available on certain models only. See chart on opposite.

(1) In DWDM systems, adding and/or dropping one or more channels can cause high fluctuations in power to the surviving channels that may be detrimental to the system's operation. The gain locking option allows you to lock the gain of the surviving channels at a desired value, say 20 dB, over an input power range of 12 dB (corresponding to the dropping of 15 channels out of 16 in a DWDM system).



INO

Quebec Metro High Park, 2740 Einstein Street, Sainte-Foy, Quebec, CANADA G1P 4S4, Phone: (418) 657-7006, Fax: (418) 657-7009, sales.amp.edfa@ino.ca www.ino.ca

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Fiber Amplifier

FAL Series

Specifications

Output power	15 dBm	18 dBm	20 dBm
Gain	32 dB @ 1580 nm	35 dB @ 1580 nm	42 dB @ 1580 nm

- Gain flatness: +/- 0.25 dB from 1570 to 1600 nm*
- Noise figure: < 5.5 dB
- Gain locking: +/- 0.5 dB from 20 to 30 dB
- WDM gain: 20 dB with a –10 dBm tone
- Pump wavelength: 980 nm and/or 1480 nm
- Wavelength range: 1565 to 1605 nm
- Supply voltage: 105–240 V
- Operating temperature range: 0 - 40°C
- Size: 163 mm (H) x 254 mm (W) x 314 mm (D)

* Available on certain models only. See chart below.

Main Options

- GPIB/RS-232 port
- I/O signal monitoring
- Rack mount adapters
- ASE filtering
- Automatic pump control
- Low noise figure
- Low PMD

Model	Gain Locking	Gain Flattening
FAL-300-B		
FAL-301-B	X	
FAL-302-B		X
FAL-303-B	X	X

Customizable

Printed in Canada

All specifications subject to change without notice.

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

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