



L-Band DWDM EDFA, Benchtop 22 dBm Output Power



L-Band Erbium Doped Fiber Amplifier

- o Part Number: AMN-EDFA-LX2
- o Output Power: 22 dBm (158 mW)
- o Low Power Input Signal
- o 6.5 dB Noise Figure
- o 0.5 dB Polarization-Dependent Gain
- o FC/APC Connectors



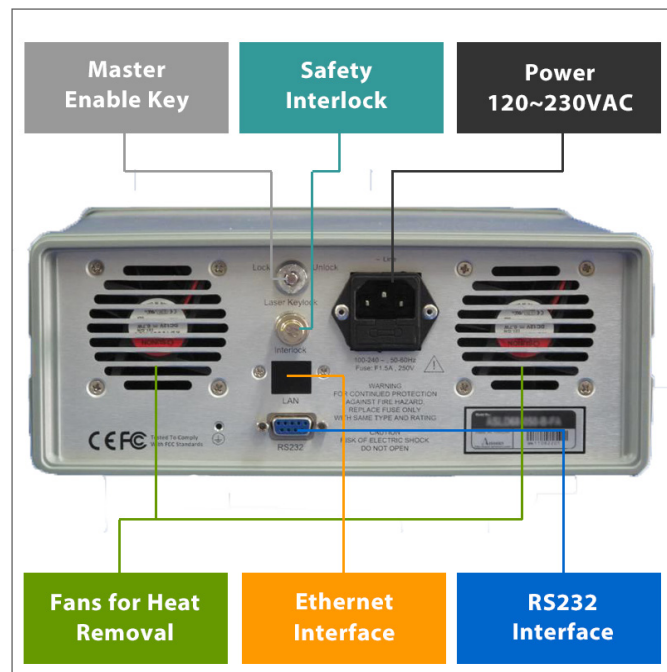
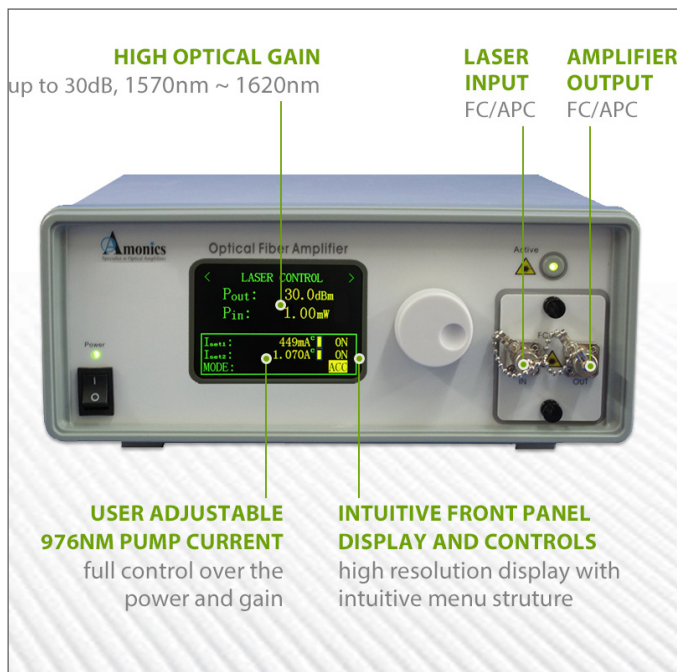
TURN-KEY, BENCHTOP L-BAND ERBIUM-DOPED FIBER AMPLIFIER

These L-Band erbium doped fiber amplifiers (EDFA) offer excellent power stability and output power up to to +22 dBm, 158 mW of output power. These L-Band EDFAs are designed with high reliability pump lasers and pump combiners to provide excellent long term reliability.

These affordable turn-key benchtop instruments allow the user to control pump power individually, as well as view the overall output power, from the front panel or remote interface. The microprocessor-controlled EDFA provides illustrative alarms and status indicators. An integrated RS232 computer interface enables easy control, diagnostic functions, and data acquisition. These EDFAs are available in both benchtop and rackmount casings.

MULTIPLE L-BAND OPTIONS AVAILABLE

The EDFA can be customized to accommodate a wide range of input signal levels (contact us for customized product quotes). The standard base model is specified for the wavelength range of 1570nm ~ 1603nm. The extended L-Band wavelength range models are available, providing amplification in the range of 1570nm ~ 1620nm.





OPTICAL SPECIFICATIONS

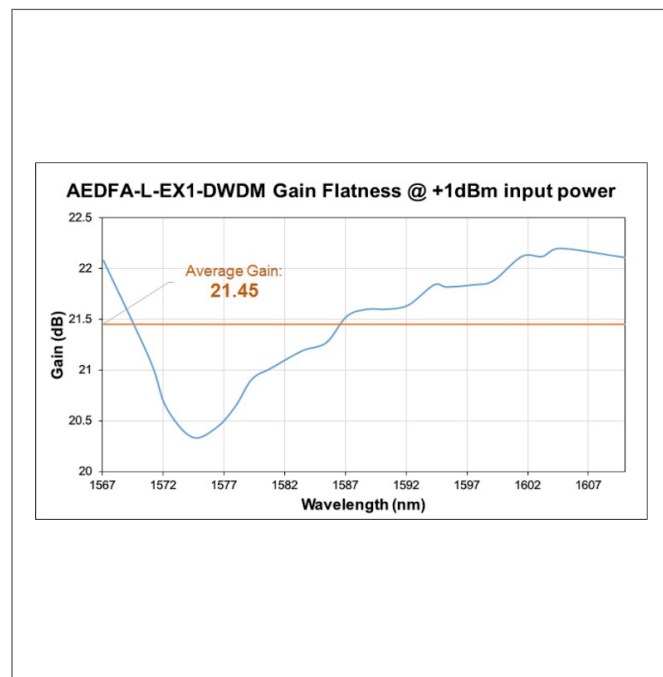
- Saturation Output Power: +22 dBm
- Operating Wavelength Range: 1570 nm - 1620 nm
- Gain (dB): Up to 25 dB
- Noise Figure (typ.): < 6.0 dB
- Gain Flatness (peak to peak): Typical 1.0 dB, Maximum 2.0 dB
- Polarization Dependent Gain: < 0.5 dB
- User Set Control Modes: ACC (current), APC (power feedback), AGC (gain feedback)
- Input / Output Isolation: > 30 dB

GENERAL SPECIFICATIONS

- Operating Temperature Range: 0°C to +40°C
- Storage Temperature: -10°C to +70°C
- Power Supply: 90 – 240 VAC, 47 – 63 Hz
- Dimensions: 260 mm(W) x 330 mm(D) x 120 mm(H)
- Chassis Safety Control: Key-lock switch, BNC
- Interlock Key

USER INTERFACE

- Front Panel: Alphanumeric Color Front Panel Interface with Adjustment Control Knob
- Remote: RS232, LabView control software included
- Remote: RJ-45 (TCP/IP Ethernet optional)
- Optical Connector Options: FC/APC, FC/UPC, SC/APC, SC/UPC
- Optical Fiber Options: PM fiber, SMF-28 (optional)





Offered by
LASER LAB SOURCE



**FIBER
AMPLIFIERS**

PRODUCT SALES AND SERVICE:

Orders for this product are fulfilled by Laser Lab Source in North America and select international regions. It is manufactured by Amonics, Ltd.

PRODUCT WARRANTY:

This product is sold with a full one-year warranty. It is warranted to be free from defects in material and/or workmanship for a period of one year from the date of shipment.



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