

Key Features

- Super L-band operating wavelength
- Flattened gain
- Low noise figure
- Turnkey device
- RS232/Ethernet interface



2U Rackmount Casing

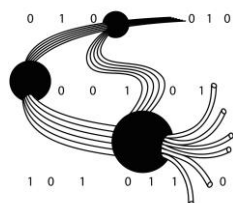
1550nm - CW

Description

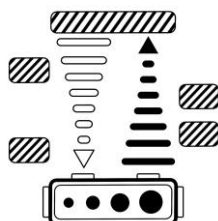
As the growing demand of data transmission capacity, Amonics' Super L-band (L++ band) DWDM Erbium-doped Fiber Amplifier (EDFA) is the ideal solution that features Super L-band operating range up to 1626.2nm. The EDFA adopts the design of high-power pump laser and high-stability pump combiners, renowned for robustness in high power boosting. It provides flattened gain across the operating wavelength range and very low noise figure.

The turnkey microprocessor-controlled EDFAs provide illustrative alarms and status indicators. An integrated RS232 computer interface enables easy control, diagnostic functions and data acquisition.

Application



- SONET/SDH Systems
- Optical Communications
- Booster, In-line & Pre-amp



- Fiber Optic Sensing



- DWDM applications
- Scientific applications



ISO 9001 : 2015
Certificate No.: CC 5346

Our product is manufactured under a HKQAA
ISO 9001 certified quality management system.
The ISO 9001:2015 certification applies to the
Hong Kong production site only.

Specifications

Model	AEDFA-L-SU-DWDM-23	AEDFA-L-SU1-DWDM-20
Composite Output Power	Min. 23 dBm @ input power 0 dBm	Typ. 20 dBm @ input power 0 dBm
Composite Input Power	-6 to +3 dBm	-6 to +3 dBm
Optical Input Wavelength	1570 nm to 1625 nm	1574.3 nm to 1626.2 nm
Optimal Optical Gain	Min. 23 dB @ input power 0 dBm	Typ. 20 dB @ input power 0 dBm
Noise Figure @ 1570 – 1620 nm	Max. 7.5 dB	Typ. 7.5 dB
Gain Flatness (peak to peak)	Max. 2.0 dB	Max. 2.0 dB
Input / Output Isolation	Min. 30 dB	Min. 30 dB
Polarization Dependent Gain	Typ. 0.3 dB, Max. 0.5 dB	Typ. 0.3 dB, Max. 0.5 dB
Control Mode	ACC	ACC

General Parameters

	Value
Operation Temperature	0 to 40 °C
Storage Temperature	-10 to 70 °C
Power Supply	90 – 240 VAC, 47 – 63 Hz
Dimensions	485(W) x 360(D) x 90(H) mm
Mechanical Safety Control	Key-lock switch, BNC interlock key
LCD Display	Output power, Input power (optional) , Pump laser current
Computer Interface	RS232 (Control software & connection cable included) / Ethernet (option)
Protection	Pump laser overheat warning
Optical Connector	FC/APC, FC/UPC, SC/APC, SC/UPC
Optical Fiber	SMF-28

Ordering Information

Product Code	AEDFA-L-SU-DWDM-aa-b-cc AEDFA-L-SU1-DWDM-aa-b-cc	aa : Composite Output Power in dBm b : R for 19" Rackmount cc : FA for FC/APC, FC for FC/UPC, SA for SC/APC, SC for SC/UPC
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Amonics undertakes continuous and intensive product development to ensure its product performance at the highest technical standards. As a result, the specifications in this document are subject to change without notice.

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