FTTH Erbium Doped Amplifier (EDFA)

Amonics
Specialist in Optical Amplifiers

Key Features

- High output power, up to 10W
- Compact size
- Low noise figure
- High gain
- Integrated with CWDM
- Ethernet TCP-IP remote communication
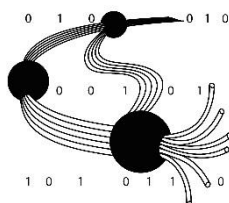- Long operating life time

2U Rackmount Casing

1550nm - CW

Description

Amonics FTTH EDFAs inherit the reliable design of Amonics' optical amplifier technology. They exhibit high output power, high gain with very low noise, and are ideal for FTTH network amplification.

Integrated CWDM splitters are available to enable routing of 1310nm and 1490nm data streams from OLT to ONU through EDFAs. The turnkey rackmount EDFAs provide microprocessor controlled alarms and status indicators. An integrated Ethernet TCP-IP computer interface enables easy control, diagnostic functions and data acquisition.

Application

- FTTx Solution

- Laboratory

Brightening the world with *Advanced Photonics* platform

FTTH Erbium Doped Amplifier (EDFA)

Amonics
Specialist in Optical Amplifiers

Specifications

Model	AEDFA-FTTH
Saturation Output Power (at 0 dBm input signal)	From +23 to +40 dBm
Number of Output Ports	1, 2, 4, 8, 16, 32
Port-to-Port Variation	Typ. 0.5 dB, Max. 1.0 dB
Noise Figure (at 0 dBm input signal)	Typ. 5.0 dB
Operating Wavelength	1540 nm to 1560 nm
Carrier to Noise Degradation	Typ. 1.0 dB
Input / Output Isolation	Min. 30 dB
Power Consumption	Max. 70 W
Control Mode	ACC (standard), APC & AGC (optional)

* Other output power models available upon request

General Parameters

	Value
Operation Temperature	0 to 40 $^{\circ}$C
Storage Temperature	-10 to 70 $^{\circ}$C
Power Supply	90 – 240 VAC, 47 – 63 Hz
Dimensions	485(W) x 360(D) x 45(H) mm
Mechanical Safety Control	Key-lock switch, BNC interlock key
Optical Power Monitoring	Output power, Input power
Remote Control Port	RJ-45 (TC/IP Ethernet)
Protection	Pump laser (TEC) overheat
Optical Connector	FC/APC, FC/UPC, SC/APC, SC/UPC
Optical Fiber	SMF-28

Ordering Information

Product Code	AEDFA-FTTH-aa-bb-R-cc	aa: Saturated output power in dBm bb: number of output ports cc : FA for FC/APC, FC for FC/UPC, SA for SC/APC, SC for SC/UPC

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.

Amonics Limited (Hong Kong)
14/F, Lee King Industrial Building, 12 Ng Fong Street,
San Po Kong, Kowloon, Hong Kong
Tel :+852 2428 9723, Fax :+852 2428 9704
Beijing Amonics Co. Ltd. (Beijing)
Room 902, Unit 1 Joy Mansion, NO.99 Chaoyang North Road, Beijing China 100123
Tel :+86 10 8478 3386, Fax :+86 10 8478 3396
Email: contact@amonics.com   Website: www.amonics.com

DANGER LASER 4
AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION

CE FC

Brightening the world with *Advanced Photonics* platform