

Key Features

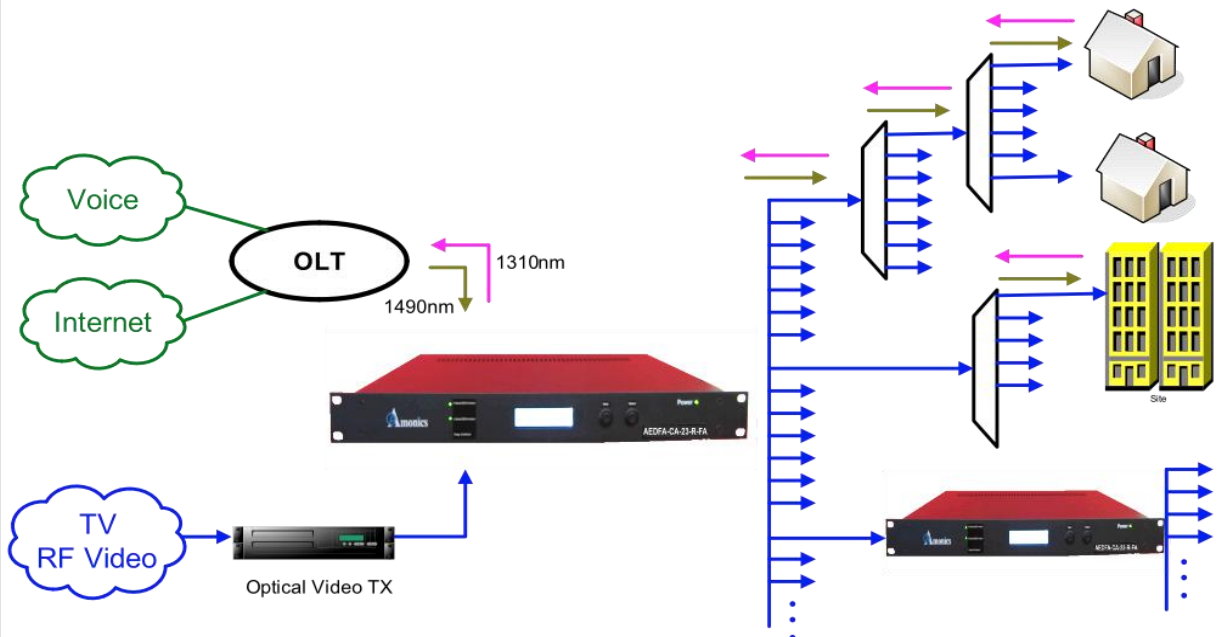
- High output power, up to 10W
- Compact size
- Low noise figure
- High gain
- Integrated with CWDM
- Ethernet TCP-IP remote communication
- Long operating life time



Description

Amonics FTTH EDFAs inherit the reliable design of Amonics’s 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.



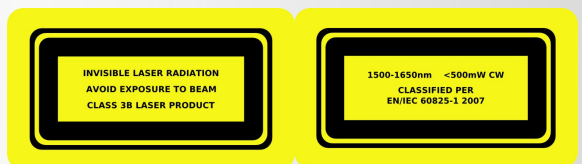
Specifications

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

* Other output power models are available upon request

General Parameters

Parameters	Unit	Specifications
Operation Temperature	°C	0 to +40
Storage Temperature	°C	-10 to +70
Power Supply	VAC	90 – 240, 47 – 63Hz
Dimensions	mm	485(W) x 360(D) x 45(H)
Mechanical Safety Control	-	Key-lock switch, BNC interlock key
Optical Power Monitoring	-	Output power, Input power
Remote Control Port	-	RJ-45 (TCP/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-xx-yy-R-zz	xx: Saturation output power in dBm yy: number of output ports zz: 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.

Amonics Limited, 14/F, Lee King Industrial Building, 12 Ng Fong Street, San Po Kong, Kowloon, Hong Kong
Beijing Amonics Co. Ltd. Room 902, Unit 1, No.99 Chaoyang North Road, Beijing China 100025

Email: contact@amonics.com Website: www.amonics.com

HK Tel: +852 2428 9723

HK Fax: +852 2428 9704

Beijing Tel: +86 10 84783386

Beijing Fax: +86 10 84783396