ISO 9001 : 2008
Certificate No.: CC 5346

FTTH Erbium Doped Amplifier (EDFA)

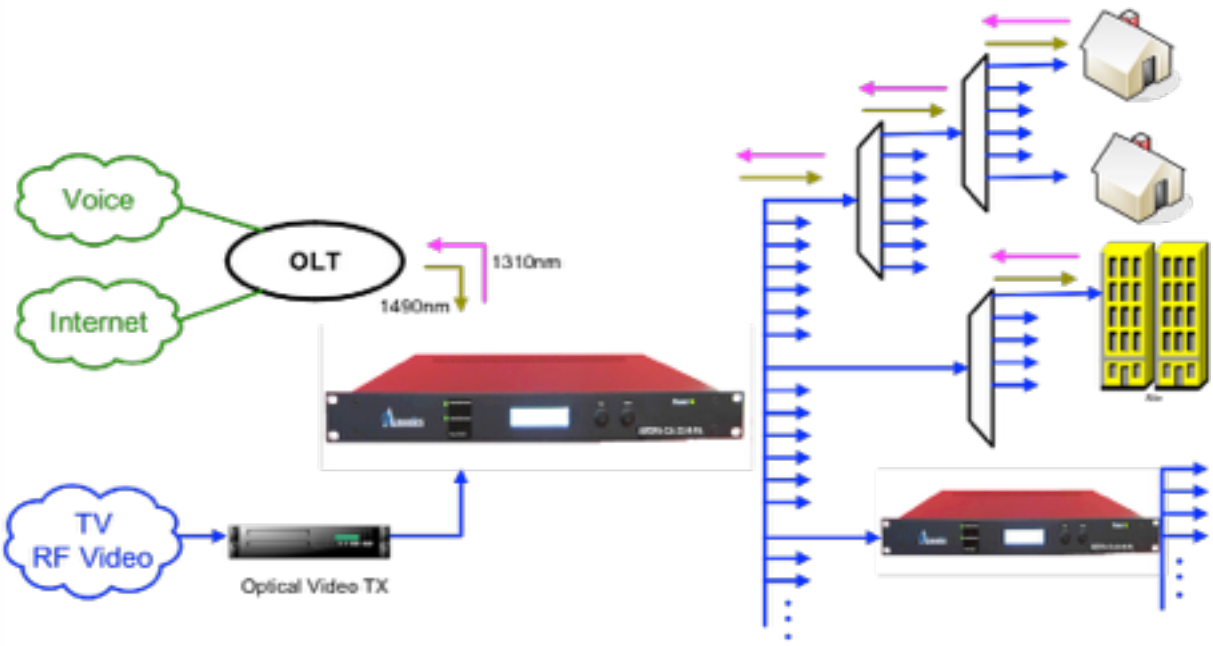
Key Features

- 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.



FTTH Erbium Doped Amplifier (EDFA)

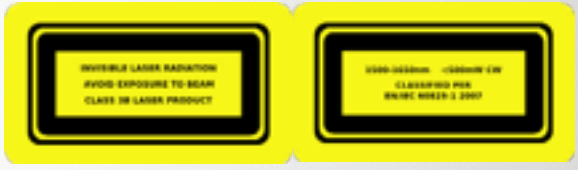
Specifications

	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 y: 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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