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CONETX-77EYA-S64-P17/20



Amplificador Óptico FTTx PON (EDFA)

CONETX-77EYA Series 3U High Power Fiber Amplifier

Performance characteristics

- ◆ Using erbium and ytterbium co-doped double-clad fiber technology and low-noise pump laser
- ◆ It has a display backlight control function, allowing users to adjust the backlight time as needed.
- ◆ It has a complete sound and light alarm function and supports dual alarms of indicator light and buzzer.
- ◆ The whole machine adopts modular design and is easy to maintain and manage.
- ◆ Standard network management interface supports WEB network management and SNMP, and the WEB interface is rich in functions.
- ◆ The 3 U product supports a maximum total output of 43 dBm and supports adjustable output power with an adjustable range of +0.5~-4dBm.
- ◆ Optional optical switch, optical transmitter, RF monitoring and other functions are available.
- ◆ Output ports: 32~128 channels; optional WDM to achieve triple network integration function.
- ◆ One-click pull-out dual power supply hot backup design.
- ◆ Optional time management function and mobile phone remote monitoring function.



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Applications

The CONETX-77EYAx series ytterbium-erbium fiber amplifier is a high-power multi-port output fiber amplifier with a gain spectrum bandwidth of 1545~1560nm. It is mainly designed for CATV or 1~8 continuous strip channels (ITU wavelength) applications. It provides a flexible and low-cost solution for CATV system's large-area FTTH coverage in large and medium-sized cities. CONETX-77EYAx can realize single-wavelength transmission of cable TV signals, or built-in FWDM to realize single-fiber three-wave transmission design. It is an important equipment for building CATV large and medium-sized optical fiber transmission networks.

Technical indicators

project		unit	Technical Parameters	Remark
CATV working wavelength		nm	1545~1560	Center wavelength 1550nm
PON OLT operating wavelength		nm	1310/1490	customizable 1270/1577
CATV input optical power range		dBm	-10dBm~+10dBm	
Maximum total output optical power		dBm	43	
Output power stability		dB	±0.1	
Noise Figure		dB	≤ 6	
Return Loss	Input	dB	≥ 45	
	Output	dB	≥ 45	
	Number of input ports		2	



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OSW	Insertion loss	dB	≤1.3 _	Optional features
	switching time	s	<0.5	
Direct modulation optical transmitter	Working wavelength	nm	1550	Optional features
	Input level	dB	75~90	
	Output Power	dBm	3/5/7/10 _	
No. of Output Ports	Vertical optical ports	SC	32~128	Optional features
		LC	32~128	
The output power of each port		dBm	13~23	
RF detection	Output level	dB	≥5 6	Optional features
Optical connector type			SC/APC; SC/PC; LC/APC; LC/PC	customizable
C/N		dB	≥ 50	The test conditions are implemented in accordance with GD/J115-2020 .
C/CTB		dB	≥ 6 5	
C/CSO		dB	≥ 6 5	
voltage		V	AC(90V~264V)	
Machine power consumption		W	< 300	
range of working temperature		℃	-5 - +45	
Maximum operating relative humidity		%	Maximum 95% non-condensation	

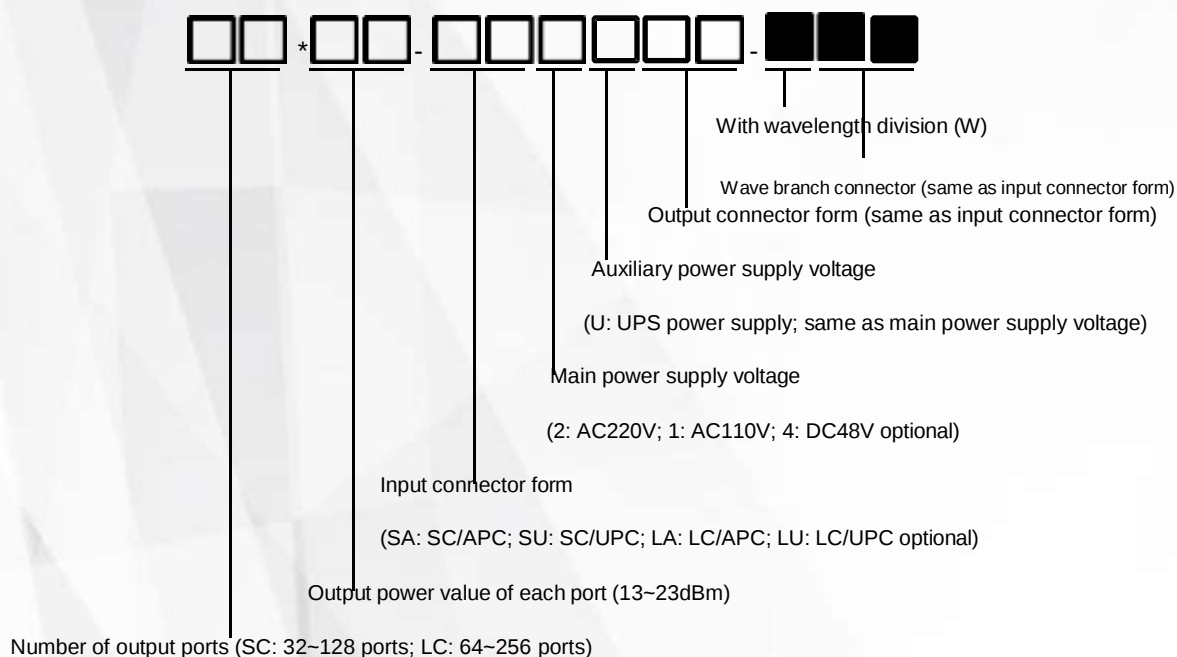


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Storage temperature range	°C	- 40 ~ + 80	
Maximum storage relative humidity	%	Maximum 95% non-condensation	
Dimensions	mm	480 (W)* 428 (D)* 133 (H)	
Packing size (one set)	mm	63 8(W)* 63 8 (D)*262(H)	

Ordering Guide

CONETX-77EYA 3U - number of ports * power number per port - input connector form + main power supply voltage + auxiliary power supply voltage + output connector form - with wavelength division + wavelength division form
(note: do not write in the black box if there is no order requirement) .



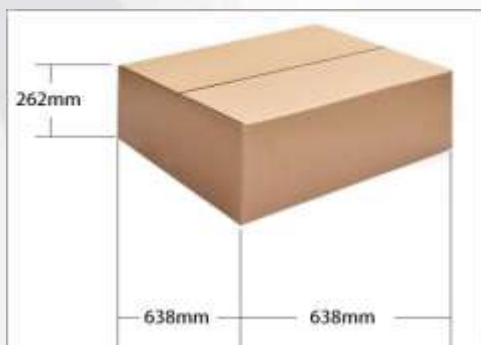


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Model example: CONETX-77EYA 3U

According to the equipment model, it is analyzed as follows: This is a 3U device with 64 output ports, each port outputs 22dBm, the input connector is SC/APC, the main power supply is 220V, the auxiliary power supply is 48V, the output connector is SC/APC, with WDM, WDM The connector is SC/UPC.

Packaging and labeling



1 unit outer packaging



product label