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CONETX-77BEYA-S32-P20/23

Amplificador Óptico FTTx PON (EDFA)



CONETX-77BEYA Series High Power Er/Yb Doped Fiber Amplifier

Performance characteristics

- ◆ Erbium-Ytterbium co-doped double-clad fiber technology and low-noise pump lasers.
- ◆ With display backlight control function, the user can adjust the backlight time as needed.
- ◆ With perfect sound and light alarm function, support dual alarm of indicator light and buzzer.
- ◆ The entire EDFA adopts modular design, making it easy to maintain and manage.



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- ◆ Standard network management interface, support WEB network management and SNMP, WEB interface is rich in functions.
- ◆ The 2U product supports total output power up to 41dBm, and supports the output power adjustable function with an adjustable range of +0.5~-4dBm.
- ◆ Optical switch, optical transmitter, RF monitoring and other functions are optional.
- ◆ Optional WDM for triple play function.
- ◆ Dual power supply with one-touch pull-out and hot backup design.
- ◆ Optional time control function and mobile phone remote monitoring function are available.

Applications

CONETX-77BEYAxx Ytterbium-Erbium series of fiber amplifiers is a high power, multi-output fiber amplifier with a gain spectral bandwidth of 1545-1560nm, designed for CATV or 1-8 consecutive band channels (ITU wavelengths) applications. It provides a flexible and low-cost solution for FTTH coverage of CATV systems in large and medium-sized cities.

CONETX-77BEYAxx can achieve single wavelength transmission of CATV signals, or built-in FWDM to achieve single-fibre three-wave transmission design, which is an important equipment for building CATV large and medium-sized optical fibre transmission networks.



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Technical parameters

Item		Unit	Technical parameters	Remark	
CATV working wavelength		nm	1545~1560	centre wavelength 1550nm	
PON OLT working wavelength		nm	1270/1310/1490/1577		
CATV Input power		dBm	-5dBm~+10dBm	Limit -10dBm~+10dBm	
Maximum total optical output power		dBm	41		
Output power stability		dB	±0.1		
Noise		dB	≤ 6		
Reflective loss	Input	dB	≥ 45		
	Output	dB	≥ 45		
OSW	Input port		2	Optional Features	
	insertion loss	dB	≤1.2		
	switching time	s	< 0.5		
Direct - Modulation transmitter	working wavelength	nm	1550	Optional Features	
	Input level	dBuV	75~90		
	Output power	dBm W	3/5/7/10		
Output ports	straight	SC	unit	4~64	
		LC		4~64	
Output power per port		dBm	13~23		
RF test		Output level	dBuV	≥56	Optional Features



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Optical connector		SC/APC; SC/PC; LC/APC ; LC/PC	Customized
C/N	dB	≥ 50	Test conditions are performed according to GD / J115-2020
C/CTB	dB	≥ 65	
C/CSO	dB	≥ 65	
Supply voltage	V	AC(90V ~ 264V)	Optional DC (DC: 36~72V)
Power Consumption	W	< 150	
Operating Temperature Range	°C	-5 - +50	
Maximum working relative humidity	%	Maximum 95% non- condensing	
Storage temperature range	°C	-40 ~ +80	
Maximum storage relative humidity	%	Maximum storage relative humidity	
Product net size	mm	480(W)*428(D)*89(H)	Don't include handles
Package dimension(1 unit)	mm	610(W)*590(D)*155(H)	



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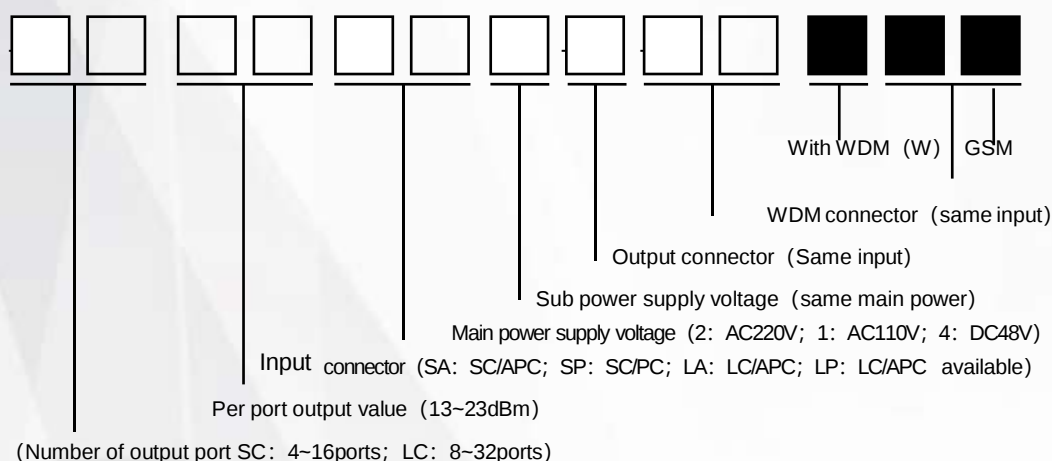


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Model guide

CONETX-77BEYA 2U -Output port*Per port output power-Input optical connector+Main power supply voltage+Sub power supply voltage+Output optical connector-with WDM+WDM connector **(Note:**

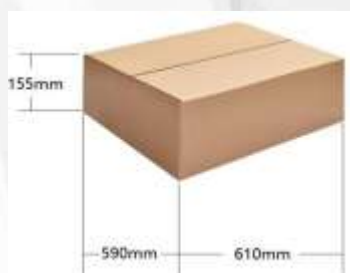
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Example: CONETX-77BEYA 2U

Explanation: This CONETX-77BEYA 2U device is the erbium and ytterbium Co-doped high power fiber amplifier with 32 ports outputs, output power of each port 22dBm, input SC/APC connector, Main power voltage 220V, Sub power supply 48V, output SC/APC connector, with WDM, WDM SC/PC connector.

Package & Label



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