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CONETX-77BEYA-S16-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.
- ◆ Standard network management interface, support WEB network management and SNMP, WEB interface is rich in functions.



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- ◆ 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		work ing wavel ength	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		



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RF test	Output level	dBuV	≥56	Optional Features
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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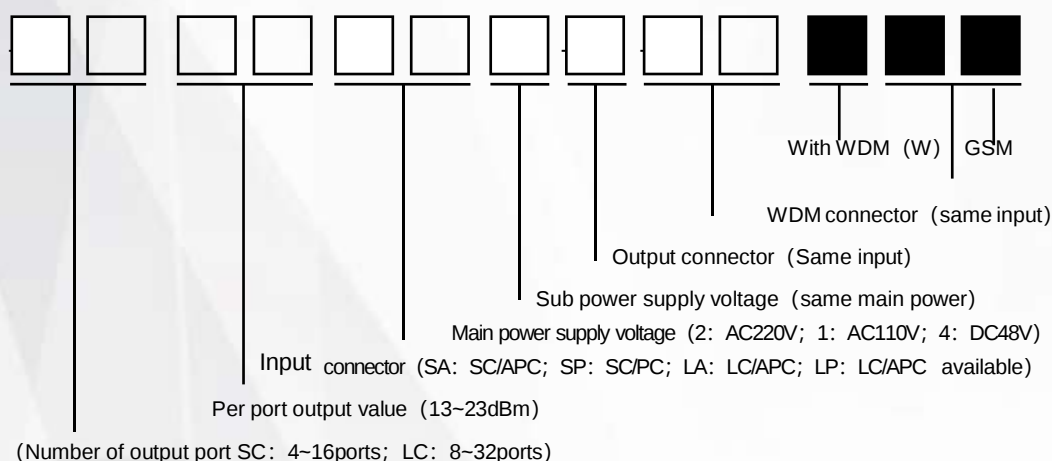


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Model guide

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:**

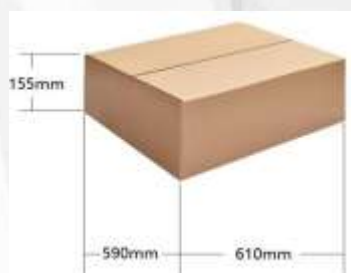
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Example: CONETX-77BEYA 2U

Explanation: This CONETX-77BEYA 2U device is the erbium and ytterbium Co-doped high power fiber amplifier with 16 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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