Features
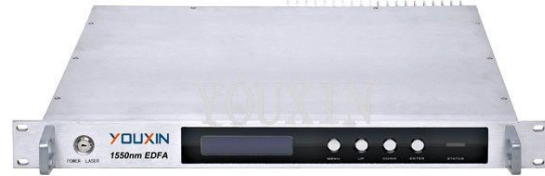
◇ Low noise figure

◇ High output power

◇ Through the button at front panel, the user can adjust and set the output power (EDFA1550-xxP)

◇ RS232 communication and SNMP network management optional

◇ Excellent P/P ratio

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Description

EDFA1550-xx series C-Band booster amplifier is designed for the application of single channel or 1~8 continuous ribbon channels (ITU wavelength). Generally, fiber CATV system operates in single wavelength that has no strict requirement on gain flatness. EDFA1550-xx booster amplifier is featured with low NF, high-saturated output power. It is applicable for central bureau, sub-bureau and line relay, as well as other optical communication network. EDFA1550-xx is applied most commonly and widely compared with other EDFA in CATV system.

YOUXIN is the famous manufacturer of EDFA. EDFA1550-xx adopts the world's top class pump laser and America OFS erbium-doped optical fiber. Perfect APC, ACC and ATC control, excellent design in the ventilation and heat-dissipation ensure the long life and high reliable work of pump laser. RS232 and RJ45 offer serial commutation and SNMP network management port. The LCD at the front panel offers the work index of all equipment and warning alarm. The laser will switch off automatically if optical power is missing, which offers security protection for the laser. All the optical port can be installed in the front panel (also can be in the back panel if customers specify).

YOUXIN product, for its high quality, high reliable and high cost performance, is the ideal choice of the system integration and system operation.

EDFA1550-xx: 1RU CATV Booster EDFA.

EDFA1550-xxP: The output power is adjustable. Users can adjust the output power in the range of -6dB~0dB with ±0.2dB stepping through the button at the front panel and can provide redundancy standby to the system upgrading and aging.

Parameter

Item	Specification			supplement
	Min	Typ	Max	

EDFA1550-xx

Optical feature				
Operation Wavelength(λ)	1540nm		1564nm	
Input power range	-1 dBm	+3	+10dBm	
Total output power	13dBm		2 dBm	Pin=0dBm
Output power adjustable range	-6dBm		0dBm	EDFA1550-xxP
Each port output power	10dBm		22dBm	
Number of output port	1		4	
Noise figure	4.5dB		5.5dB	Pin=0dBm
Gain flatness		30dB		
Polarization dependence loss		0.1dB	0.3dB	
Polarization dependence gain			0.5dB	
Polarization mode dispersion			0.4ps	
Pump power leakage			-30dBm	
Echo loss	50dB			
General feature				
SNMP network management interface	RJ45			
Communication interface	RS232			
Power supply	90~265 city power		-48VDC optional	
Power Consume	≤50W			
Work temp.	0~50℃			
Storage temp.	-40~85℃			
Operating relative humidity	5~95%			
Size	19×14.2×1.75inch		(W)x(D)x(H)	

Applications

◇ AM CATV

◇ Digital CATV

◇ DBS & MMDS

◇ FTTP

◇ Optical network