

Spec EDFA is an important Optical Relay Transmission equipment of 1550nm Optical Fiber Communication system. It is mainly used for long distance Optical Fiber Transmission of television Image signal, Digital Transmission System, Telephone Voice Signal Data Signal. Low noise Pump laser of international brand ensures excellent C/N, CSO, CTB and maintain picture quality at original levels for long distance transmissions. It can meet the different engineering application of the user because of it's easy installation and high performance.

## FEATURES

- ✳ Low noise pump of famous (OCLARO or JDSU) brand with low distortion, wide bandwidth and high output optical power.
- ✳ High performance Erbium-doped fiber, with high energy conversion efficiency.
- ✳ Advanced SMT production process with high reliability.
- ✳ Blue VFD Display displaying the operating parameters and fault information accurately.
- ✳ Circuit type EDFA whose noise index is lower than 4dB (when the input optical Power is 0 dB) is mainly used in multistage cascade long distance transmission of primary route.



EDFA WITH RF INPUT

## HIGH POWER EDFA

This type of EDFA is mainly used for multifunctional network of EPON Architecture, reducing the equipment's space, cost and increasing reliability greatly. Adopt most advanced Erbium Ytterbium-doped double clad optical fiber technology in the industry. The whole machine maximum output power is upto 2W; refer to ETTB network framework designed as multi-output, maximum is upto 23 way.

## FEATURES

- ✳ Adopt Erbium Ytterbium - doped double clad optical fiber tech.
- ✳ Output Port : Optional 8 ~ 32 way.
- ✳ Output power : maximum upto 2W.
- ✳ Low noise figure : 0dB input is less than 5dB.
- ✳ Perfect network management Interface : External Interface.



HIGH POWER EDFA

## TECHNICAL PARAMETERS (EDFA)

ITEMS	UNITS	TECHNICAL PARAMETER		
		FRONT	CIRCUIT	POWER
Working Wavelength		1535 ~ 1565nm		
Optical Output Power	dBm	-12 ~ +10	-8 ~ +10	-3 ~ +10
Output Optical Power	dBm	10 ~ 19	16 ~ 22	13 ~ 25
Output Power Stability	dB		± 0.5	
Nosie Fig.	dB	≤ 4.0	≤ 4.0	≤ 5.0
Return Loss Input Port	dB		≥ 45	
Return Loss Output Port	dB		≥ 45	
Pump Leakage Input Port	dBm		≤ -30	
Pump Power Output Port	dBm		≤ -30	
C/N	dB		≥ 51	
C/CTB	dB		≥ 63	
C/CSO	dB		≥ 63	

## TECHNICAL PARAMETERS (HIGH POWER EDFA)

ITEMS	UNITS	TECHNICAL PARAMETER
Working Wavelength	nm	1545 ~ 1565
Optical Power	dBm	-3 ~ +8
Optical Optical Power	dBm	33
Output Power Stability	dB	± 0.5
Nosie Fig.	dB	≤ 5.0
Return Loss Input Port	dB	≥ 45
Return Loss Output Port	dB	≥ 45
Pump Leakage Input Port	dBm	
Pump Power Output Port	dBm	
C/N	dB	≥ 51
C/CTB	dB	≥ 63
C/CSO	dB	≥ 63