

SPACE FIBRE

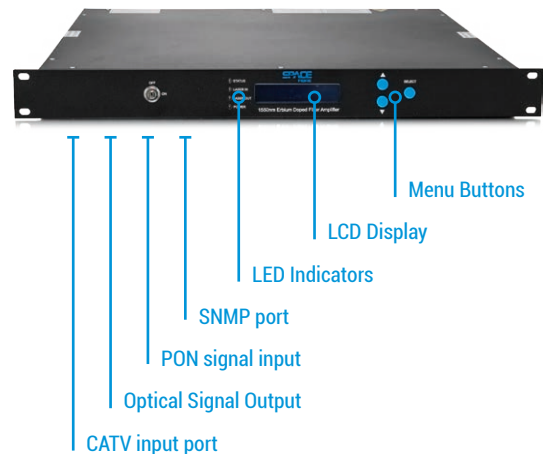
Erbium Ytterbium Doped Fibre Amplifier



SF-EDFA-1

Ideal for use in CATV, FTTX and HFC applications.
Optimized for 1550nm wavelength.

The SF-EDFA series is a high-power, multi-port optical amplifier, operating within 1540-1563nm wavelengths and supporting PON return path. It is designed for CATV applications and is compatible with PON services using the built in WDM. With perfect APC, ACC and ATC controls, reliable heat control, ventilation and efficient heat-dissipation design, the EDFA unit has all systems in place for an extended MTBF of the laser pump. The EYDFA has an extremely low noise figure by using a two-stage optical amplification: the pre-amplifier on the first stage EDFA followed by a high power EYDFA to deliver the maximum signal with the best SNR possible.



MAIN PARAMETERS: TOTAL OUTPUT dBm (+/-)		TOTAL OUTPUT mW	PORT OUTPUT dBm	PORT OUTPUT mW
SF-EDFA-1	20dBm	100mW	20dBm	100mW
Input (dBm)	-8~+10	Fiber Connector	FC/APC, SC/APC	
Range of output adjustment (dBm)	Down 3	Noise Figure (dB)	<5.0 (input 0dBm)	
Wavelength (nm)	1535~1565	Web port	RS232 or RS485	
Output stability (dB)	<±0.2	Power Consumption (W)	≤50	
Bias oscillation sensitivity (dB)	<0.2	Voltage (V)	220VAC (90~265), -48VDC	
Bias oscillation dispersion (PS)	<0.5	Working Temp (°C)	-0~40	
Optical Return Loss (dB)	≥40	Size (mm)	483×370×44	