SUNNIKY EDFA1000 1550nm EDFA

SUNNISKY EDFA1000 1550nm EDFA （Erbiurm Droped Fiber Amplifier）which adopts pump DFB laser provided by world famous company with low noise, could directly amplify the optical signal of 1550nm which comes from 1550nm optical transmitter, then could output optical signal as high power from 13 to 25dBm. It has lots of features, for example, low distortion, wide frequency range, excellent in-band flatness, etc. Bulit-in microprocessor automatic temperature control circuit could ensure DFB laser to work steadily for long time. Its optical insulation parts for optical signal of input and output can enhance the system's performance. So it is especially suitable for optical fiber network covering long distances to transmit Video, Voice and Data signals.

Feature

- Adopts high performance Erbium-droped filer, which has high transferring efficiency from electronic signal to optical signal
- 980nm pump source at the fore-class, and 1480nm pump source at the post-class, lower noise and high CNR
- The input and output's optical could be shunted and inspected
- Bulit-in blue VFD display screen on the front panel, it could display various of main working status and parameters, including alarm information, also could monitor the optical output power, etc.

Specification

Optical Wavelength	1545~1555nm							
Noise Figure (+3 dBm,@1550nM)	3.8~5.5dB							
Input Optical Power	-5 ~ +10dBm@ Pin（EDFA）=0							
Amount of Pump	1				2		3	
Output Optical Power (dBm)	13	14	15	16	18	20	22	25
Output Power Stability	<±0.5dB							
Connector Type	FC/APC							
Input/Output Return Loss	≥45dB							
Input/Output Pump Leak Power	≤-30dBm							
Flatness of Gain	≤±0.3dB							
Polarization Sensitivity	＜0.2dB							
Polarization Mode Dispersion	＜0.5ps							
C/N	≥51dB(Typ.)							
C/CTB	≥65dB(Typ.)							
C/CSO	≥63dB(Typ.)							
Power Supply	115~265V AC，50/60Hz							
Operating Temperature	0~+50℃							
Storage Temperature	-20~+60℃							
Operating Humidity	85%							
Dimensions	483mm×390mm×44mm							
Weight	8Kg							

Note: All specifications are subject to change without notice.

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