

HF300-3815C-22D 1550nm EDFA



Overview

HF300-3815C-22D 1550nm EDFA mainly provides high quality image, digital or compressed digital signal transmission for cable TV, and is an important transmission device in optical fiber communication system.

Features

- Adopting sealed encapsulation modularization technology.
- Perfect and reliable temperature control circuit for thermoelectric cooler -ATC.
- Perfect and reliable optical power output control circuit -APC.
- Perfect and reliable software settings.
- The front panel (LCD) shows the various states of work inside the machine.
- High performance switching power supply.
- The rear panel has RJ45 interface for network management.
- 19"IRU standard frame, outdoor.

Specification

	Description	value	Unit	Condition/Content
Optical Specification				
	Working wavelength	1530nm – 1560	nm	Single wave
	Input optical power	-3– 10	dBm	
	Output optical power	+13 – 23	dBm	
	Output optical power stability	±0.2	dB	
	Polarization sensitivity	0.2	dB	
	Polarization mode dispersion	0.5	PS	
	Noise figure	< 5.0	dB	Input optical power is 3 dBm
	Input and output pump light leakage	<-35	dBm	
	Input reverse noise power	<-30	dBm	
	Input / output reflection loss	> 45	dB	
	CNR	≥51	dB	EDFA input optical power +5dBm, standard optical transmitter, 10km fiber (input 10km fiber optical power not more than 17.5dBm), temperature 25 C, under AGC mode, 59 PAL-D carriers, each channel modulation system to 4%, 0dBm input optical power receiver
	CSO	≥60	dB	
	CTB	≥65	dB	
	Fiber connector	SC/APC, FC/APC		Optional
Power Supply Specification				
	Power supply	110~265	VAC	Single and double power supply
	Operating frequency	50-60	Hz	
	Power consumption	<40	W	
Environment Specification				
	Operation temperature	0~50	°C	
	Storage temperature	-25~70	°C	
	Humidity	≤95	%	Non-condensing

Ordering Information

Product Name	Product Model	Descriptions
1550nm EDFA	HF300-3815C-22D	1U, 19 inch rack mounted EDFA, LED display, 1550nm working wavelength, output optical power 22dBm, SC/APC interface, network management function, 220V double power supply.