

HIGH POWER ERBIUM/YTTERBIUM FIBER AMPLIFIER

Product Description

The High Power Erbium/Ytterbium Fiber Amplifier is designed for CATV/FTTx applications. It has high output power and low noise figure. Also it supports SNMP and TCP/IP network management protocols, for remote monitoring and configuration. All the elements are housed in a standard 19-inch and 1U height box.



Features

- High optical output power and gain, with low noise figure
- Excellent stability of power and gain, over the environment temperature of -5 ~ 55°C
- Powerful network management optional : TCP/IP , SNMP
- RS232 interface
- Friendly web-based network management interface, for easy use and maintenance
- Standard 1U rack mount

Applications

- CATV and FTTx networks
- Optical Distribution Networks
- Long distance optical transmission networks

Product Specifications

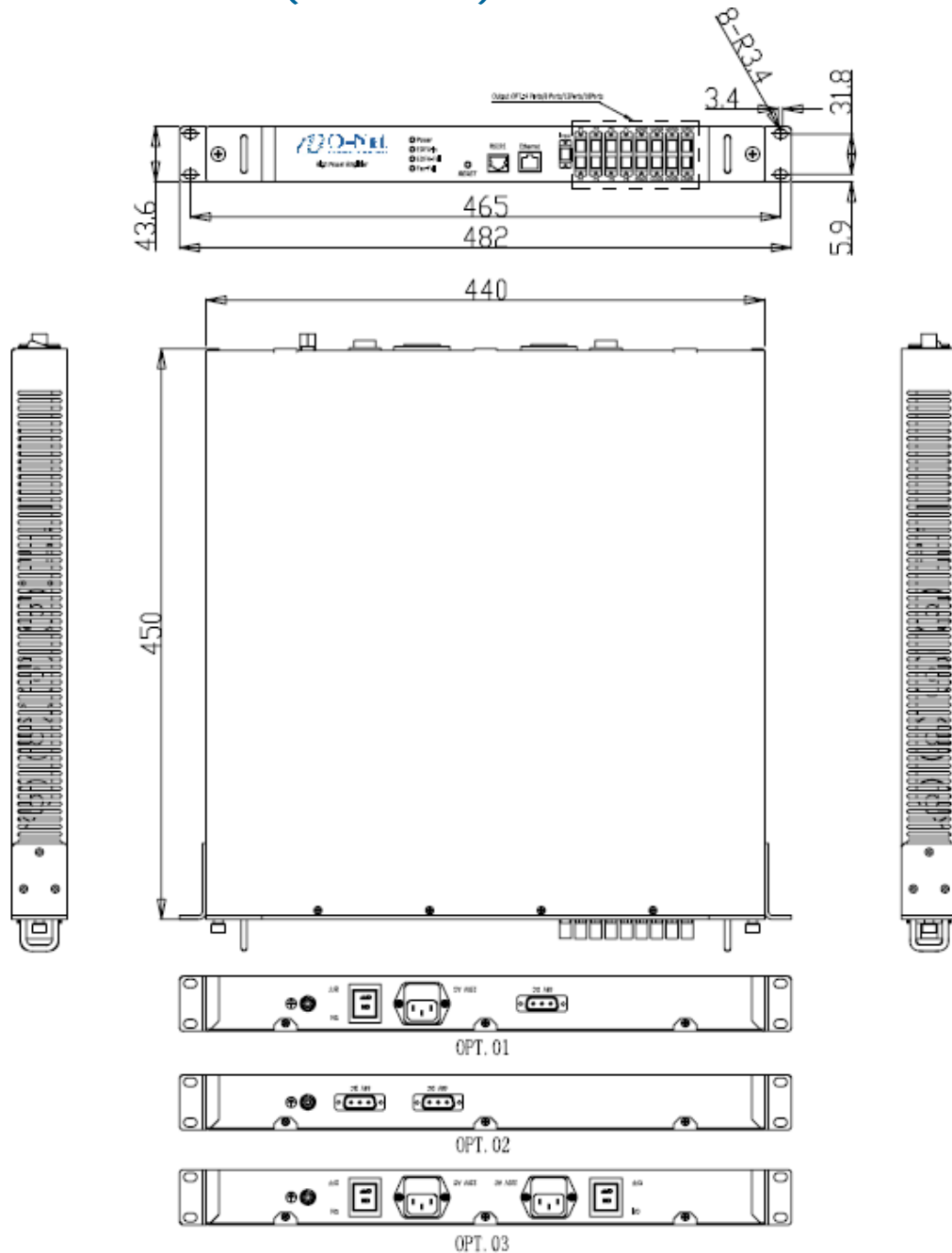
Parameters	Minimum	Typical	Maximum	Unit
Operating Wavelength	1545		1565	nm
High Power Amplifier + Splitter				
Work Mode		APC		
Input Optical Power	-10		+10	dBm
Output Optical Power		27~37		dBm
Accuracy of Output Power			+/-0.5	dB
Uniformity (1)			1	dB
Noise Figure (2)			5.5	dB
Pump Leakage (3)			-30	dBm
PMD			0.4	ps
PDG			0.3	dB
Return Loss (3)	45			dB
Environment and Interface				
Operating Temperature Range	-5		+55	°C
Storage Temperature Range	-40		+85	°C
Power Consumption			75	W
Monitoring Ports Connector Type		RJ45 (one for Ethernet, one for RS232)		
Package Dimension		19" Rack mount (450mm*440mm*44mm)		

(1) Power of the highest port minus that of the lowest port;

(2) At Pin = 0dBm, central wavelength = 1550nm;

(3) At input and output.

Physical Dimensions (20dBm x 16)



Notes:

1. Dimensions are in mm;
2. Material of the front panel: Aluminum alloy 6061;
3. PC panel attached on the Front Panel, specified as follows:
 - 1) The region of the 4 lights is transparent;
 - 2) The font of "RESET": Arial, Italic, Bold, Height: 3mm, Width/Height: 0.85;
 - 3) The font of "Input, P1 P16": Arial, Height: 2.5mm, Width/Height: 0.85;
 - 4) Other fonts: Arial, Height: 3mm, Width/Height: 0.85;
 - 5) The color of the characters: White, Thickness: less than 0.5mm;
 - 6) Background Color: PANTON 282C, fine sand texture.
4. Material of the other cases: Aluminum alloy plate 5052, black painting treatment.

Order Information

A - 1 - A - B - C - D

A	Network Management System	a: Without NMS am: With TCP/IP NMS an: With SNMP NMS
B	Output Power	27: 27dBm 28: 28dBm 29: 29dBm 30: 30dBm 37: 37dBm
C	Power Supply	1: 100~240VAC 2: -48VDC 3: Dual-power supply
D	Connector Type	1: SC/APC 2: LC/APC