

# FIBER AMPLIFIERS ERBIUM DOPED

PRE-AMPLIFIERS, IN-LINE, BOOSTER  
OEM-MODULE

**ARTICLE FOA-EDFA-20-PDA-1**

**ARTICLE FOA-EDFA-PM-20-1**

Fiber erbium doped fiber amplifiers of FOA-EDFA series, provides amplification in a wide spectral range and serves to solve following tasks:

- ❖ optical communication;
- ❖ DWDM telecommunication systems;
- ❖ Lidar systems.

The features of standard configuration: digital on / off, emission power control of laser pump diode, as well as output power monitoring via UART protocol, which allows to integrate the amplifier into the user system.

The output power monitoring function allows disconnecting of the amplifier in the case of input signal's absence.

19" rack modification available. Monitoring and control of the operating modes can be carried out by the buttons on the front panel or through remote access via RS-232.



AMPLIFIER SPECIFICATIONS	FOA-EDFA-PM-20-1	FOA-EDFA-20-PDA-1
Amplifier type	PM (Polarization maintaining)	Non-PM
Wavelength range, nm		1535 ÷ 1565
Input optical power, dBm		-10 ÷ 10
Output optical power, dBm		10 ÷ 20
Gain, dB		≤ 28
Noise factor, dB	< 4	< 5
The degree of polarization at the output, dB	> 20	-
Return loss, dB		> 40
Input voltage, V		5
Power consumption, W		< 15
Working temperature range, °C		+10 ÷ +40
Storage temperature, °C		0 ÷ +60
Humidity, %		0 ÷ 95
Dimensions (W x D x H), mm		120 x 100 x 35

The configuration can be changed at the customer's request. The parameters specified in this specification can be changed in accordance with the terms of reference.