

FIBER AMPLIFIERS ERBIUM DOPED POLARIZATION MAINTAINING

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

ARTICLE FOA-EDFA-PM-20-1

Polarization maintaining (PM) erbium doped fiber amplifier, 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.



AMPLIFIER SPECIFICATIONS	FOA-EDFA-PM-20-1
Wavelength range, nm	1535 ÷ 1565
Input optical power, dBm	-10 ÷ 10
Output optical power, dBm	10 ÷ 20
Gain, dB	≤ 28
Noise factor, dB	< 4
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.