

FIBER AMPLIFIERS ERBIUM DOPED

PRE-AMPLIFIERS C-BAND ULTIMATELY SMALL SIGNAL POWER

ARTICLE FOA-EDFA-HS-40-1-C

Erbium doped fiber pre-amplifier is designed to restore ultimately small signal power. Signal in spectral range of 1535-1565 nm with power level below -50 dBm can be amplified with a gain of more than 40 dB using FOA-EDFA-HS-40-1-C.



AMPLIFIER SPECIFICATIONS	FOA-EDFA-HS-40-1-C
Wavelength range, nm	1530 - 1565
Input optical power, dBm	- 50 ÷ 0
Output optical power, dBm (- 6 dBm input)	15
Gain, dB (-40dBm @ 1530nm)	> 40
Operation mode	continuous
Polarization	random
Input control	no
Output control	yes
Noise factor, dB (-40dBm @ 1530nm input)	< 6
Pigtail fiber type, µm	6/125/250 [SMF-28]
Numerical aperture	0.15
Supply voltage, V/HZ	220/50
Power consumption, W	in operation: 200 in standby: 20
Operating temperature, °C	- 10 ÷ + 50
Humidity,%	< 80 (non-condensing)
Availability time, sec	< 5
Dimensions (L x W x H), mm	130/80/15
Weight, kg	< 0,5

The parameters specified in the specification can be changed in accordance with the requirement of the customer.