

# FIBER AMPLIFIERS ERBIUM DOPED

## DOUBLE CLAD EDFA

### ARTICLE FOA-EDFA-HP-30-1

Fiber amplifier FOA-EDFA-HP-30-1 offers unprecedentedly high level of nonlinearity threshold, which exceeds that of standard single-mode erbium doped fiber amplifiers by two orders of magnitude. Peak power of tens kW and pulse energy of about 1 mJ can be achieved with this amplifier.

Standard version of amplifier deliver 5W of average power even for a very small input signal (gain of more than 30 dB is achievable).



#### Advantages:

- ❖ high peak power;
- ❖ backward pulses control;
- ❖ stability and compactness;
- ❖ safety for eyes.

#### Application:

- ❖ remote sensing (lidars);
- ❖ three-photon microscopy;
- ❖ scientific instrumentation;
- ❖ pumping of different lasers types.

AMPLIFIERS SPECIFICATIONS	FOA-EDFA-HP-30-1-L-C	FOA-EDFA-HP-30-1	FOA-EDFA-HP-30-1-L
Central wavelength, nm	1550	1565	1580
Spectral bandwidth, nm	> 15	> 15	> 20
Output optical power, W	> 4	> 6	> 6
Input optical power, mW		20	
Pigtail fiber type	SM20/125, SMF28, SM20/125PM		
Fiber output end	on request		
Dimensions (L x W x H), mm	474×300×135		
Weight, kg	< 10		

Output power in excess of 10W, pump-to-signal slope efficiency of more than 30% and OEM version are available on request.