

Model Number : **OFA-1310-RS-0-30-FCA**

Product Code : **1512**

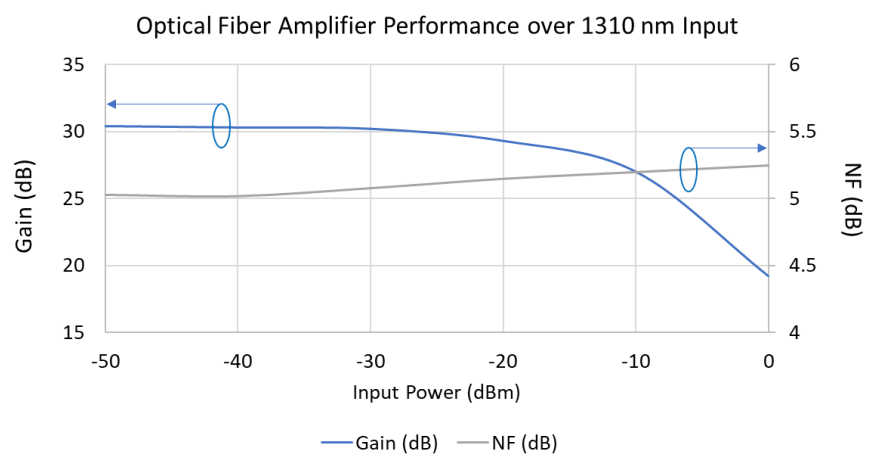
**Micro Processor Controlled**

**O-band Optical Amplifier**

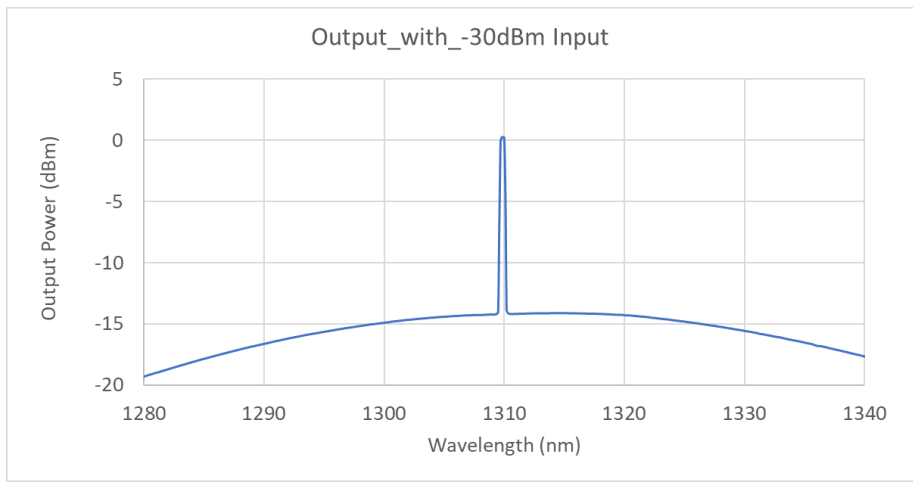


**Specifications:**

Parameters	Specifications
Wavelength Range	1310 +/- 20 nm
Input Power	-50 to 0 dBm
Gain	Up to 30 dB
Noise Figure	5.0 dB typical for -30 dBm input, gain 30 dB, 1310nm
Saturated Output Power	≥ +18 dBm at 1310 nm when the input is 0 dBm
Optical Input and Output Fiber	SMF-28
Optical Input and Output Termination	FC/APC connector, 3 mm jacket, 1 m length typical
Optical Isolator at the Input and Output	Included
Input / Output Optical Power Monitoring	RS-232 Interface
Pump Lasers Current & Temperature Monitoring	RS-232 Interface
Case Temperature Monitoring	RS-232 Interface
Dimension (to be confirmed)	11.0 x 8.5 x 1.0 inches
Power Input	+5 VDC
Operating Case Temperature Range	0 to +60 °C
Electrical Connector	DB-25 female
DC Power Consumption	≤ 12 W at case temperature +35 °C nominal
Mode of Operation	Constant Pump Current Control



### Optical Gain and Noise Figure for input -30dBm at 1310nm



### Optical Output Spectra, 30dB gain for input -30dBm at 1310nm

