

Model Number: **EDFA-CW-C4-RS-16-30-04-Hi-Rel**

Product Code: **1913**

Micro Processor Controlled EDFA
Hi-Reliable electronics and optics
Low FIT rate




Specifications:

Parameters	Specifications
Wavelength Range	1530 – 1565nm, C-band DWDM multiple channels
Gain Flattening Filter	Included
Output Power	+16 dBm, tested with DWDM multiple channel, total input power -14 dBm
Gain	30 dB, tested with DWDM multiple channel, total input power -14 dBm
Gain Flatness vs. Wavelength	+/- 0.5 dB typical, +/- 0.75 dB maximum, @ +25 ⁰ C case temperature
Optical Input Fiber	4, 900um tight buffer, FC/APC, blue, 1 meter, SMF-28 Ultra
Optical Output Fiber	4, 900um tight buffer, FC/APC, red, 1 meter, SMF-28 Ultra
Input Power Monitoring Range	-20 dBm to 0 dBm
Output Power Monitoring Range	+3 to +18 dBm
Input Power Measurement Accuracy	≤ +/- 0.5 dB, 1550 nm
Output Power Measurement Accuracy	≤ +/- 0.5 dB, 1550 nm
Noise Figure	≤ 4.5 dB, tested at 30 dB gain, -14 dBm total input power of DWDM multiple channels
PMD	≤ 0.3 ps
PDG	≤ 0.3 dB
Control and Communication Interface	RS-232, RS232 voltage level
Dimension	5.70 inch diameter x 2.20 inch height
Power Input	+3.3 VDC +/- 5%
Electrical Interface Connector	24AWG wires
Operational Case Temperature Range	-5 to +40 ⁰ C
Mode of Operation	AOPC (constant output power control), ACC (constant pump current control), AGC (constant gain control, optional)

Electrical connector:

Pin#	Color code	Function
1.	RED	3.3 V
2.	RED	3.3 V
3.	BLACK	Ground
4.	BLACK	Ground
5.	GREEN	RS232RX
6.	WHITE	RS232TX
7.	BLACK	Ground

Ordering Information:



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