

Model Number: **QEDFA-CW-C4-RS-17-31-Hi-Rel.**

Product Code: **1913**

**Micro Processor Controlled EDFA**



**Specifications:**

Parameters	Specifications
Wavelength Range	1530 – 1565nm, C-band DWDM multiple channels
Gain Flattening Filter	Included
Output Power	+17 dBm, tested with DWDM multiple channel, total input power -14 dBm
Gain	31 dB, tested with DWDM multiple channel, total input power -14 dBm
Gain Flatness vs. Wavelength	+/- 0.5 dB typical, +/- 0.75 dB maximum, @ +25°C case temperature
Optical Input Fiber	900um tight buffer, FC/APC, blue, 1 meter, SMF-28 Ultra
Optical Output Fiber	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 31 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	φ 139.7 x 51.14 mm
Power Input	+3.3 VDC +/- 5%
Electrical Interface Connector	24AWG wires
Operational Case Temperature Range	-5 to +40 °C
Mode of Operation	AOPC (constant output power control), ACC (constant pump current control), AGC (constant gain control, optional)

**Electrical connector:**

<b>PIN#</b>	<b>Color code</b>	<b>Function</b>
1.	Red	3.3V
2.	Red	3.3V
3.	Black	GND
4.	Black	GND
5.	Green	RS232RX
6.	White	RS232TX

