

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°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 °C   |
| Mode of Operation                   | AOPC (constant output power control), ACC (constant pump current control), AGC (constant gain control, optional) |



日本デバイス株式会社  
[www.j-device.com](http://www.j-device.com)

E-mail [sales@j-device.com](mailto:sales@j-device.com)

Tel 03-6262-3424 Fax 03-6800-5883

Proprietary Information of Nuphoton Technologies  
 Manufactured in the USA

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   |



日本デバイス株式会社 E-mail [sales@j-device.com](mailto:sales@j-device.com)  
[www.j-device.com](http://www.j-device.com) Tel 03-6262-3424 Fax 03-6800-5883



Proprietary Information of Nuphoton Technologies  
Manufactured in the USA