

Model Number: EDFA-CW-C0-HR-17-20-FCA

Product Code: 1401

Micro Processor Controlled EDFA



**Specifications:**

| Parameters                          | Specifications  |
|-------------------------------------|---|
| Wavelength Range                    | 1530 – 1565nm   |
| Gain Flattening Filter              | Not included  |
| Output Power                        | +17 dBm, tested with 1550 nm, input power -3 dBm                          |
| Gain                                | 20 dB, tested with 1550 nm, input power -3 dBm                            |
| Optical Input Fiber                 | 900um loose tube, FC/APC, blue, 1 meter, SMF-28                           |
| Optical Output Fiber                | 900um loose tube, FC/APC, red, 1 meter, SMF-28                            |
| Input Power Monitoring Range        | -12 dBm to +3 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                        | ≤ 5.5 dB, tested at 20 dB gain, 1550 nm, input power -3 dBm               |
| PMD                                 | ≤ 0.5 ps  |
| PDG + PDL                           | ≤ 0.3 dB  |
| Control and Communication Interface | RS-232, RS232 voltage level   |
| Dimension                           | 71 x 43 x 12mm  |
| Power Input                         | +3.3 VDC +/- 5%   |
| Electrical Interface Connector      | PN: DF11-6DP-2DSA, 6-PIN  |
| Operational Case Temperature Range  | -5 to +70 °C  |
| Mode of Operation                   | AOPC (constant output power control), ACC (constant pump current control) |

# ERBIUM DOPED FIBER AMPLIFIER

**Electrical connector:**

Part number: Hirose DF11-6DP-2DSA

| Pin No. | Description | Pin No. | Description |
|---------|-------------|---------|-------------|
| 1       | 3.3V Vin    | 2       | GND         |
| 3       | RS232TX/SDA | 4       | RS232RX/SCL |
| 5       | ENABLE      | 6       | ALARM       |



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