

Model Number: **EDFA-CW-C0-RS-37-47-FCA**

Product Code: **1709**

Micro Processor Controlled EDFA



Specifications:

| Parameters | Specifications |
|-------------------------------------|--|
| Wavelength Range | 1540 – 1565nm, C-band single channel |
| Gain Flattening Filter | Not included |
| Output Power | +37 dBm, tested with 1550 nm, -10 dBm input |
| Gain | 40 dB, tested with 1550 nm, -10 dBm input |
| 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 | -15 dBm to +5 dBm |
| Output Power Monitoring Range | +15 to +38 dBm |
| Input Power Measurement Accuracy | ≤ +/- 0.5 dB, 1550 nm |
| Output Power Measurement Accuracy | ≤ +/- 0.5 dB, 1550 nm |
| Noise Figure | ≤ 6.5 dB, tested at 40 dB gain, 1550 nm, -10 dBm input |
| Control and Communication Interface | RS-232, RS232 Voltage Level |
| Dimension | 200 x 100 x 49 mm |
| Power Input | +24 VDC +/- 5% |
| Electrical Interface Connector | PN: 173-E25-113R001 Male 25-PIN |
| Operational Case Temperature Range | 0 to +60 °C |
| Mode of Operation | ACC (constant pump current control) |



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Proprietary Information of Nuphoton Technologies

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ERBIUM DOPED FIBER AMPLIFIER

Electrical connector:

Part number: 173-E25-113R001

| Pin No. | Description | Pin No. | Description |
|---------|---------------------------|---------|----------------------------|
| 1 | 24V Vin | 14 | 24V Vin |
| 2 | 24V Vin | 15 | 24V Vin |
| 3 | GROUND | 16 | GROUND |
| 4 | GROUND | 17 | GROUND |
| 5 | COMMON ALARM OUT | 18 | CUSTOMER LASER EN/DIS |
| 6 | BOOSTER CURRENT ALARM OUT | 19 | CASE-INPUT POWER ALARM OUT |
| 7 | GROUND | 20 | LASER STATUS OUT |
| 8 | GROUND | 21 | GROUND |
| 9 | GROUND | 22 | RS232 RX |
| 10 | RS232 TX | 23 | GROUND |
| 11 | GROUND | 24 | ANALOG GROUND |
| 12 | ANALOG GROUND | 25 | BOOSTER ANALOG CURRENT SET |
| 13 | CASE TEMP OUT | | |



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