

Model Number: EDFA-CW-PM-RS-CLO-30-27-FCA

Product Code: 1826

Micro Processor Controlled EDFA



Specifications:

| Parameters | Specifications |
|-------------------------------------|--|
| Wavelength Range | 1535 – 1563nm C-band and 1570 – 1605nm L-band |
| Polarization Maintaining Property | Provided. Optical signal: slow axis light is amplified; fast axis light is blocked |
| Gain Flattening Filter | Not included |
| Output Power | +27 dBm in C-band and +27 dBm in L-band |
| Gain | 27 dB, tested with 1550 nm / 0 dBm input, and 1590 nm / 0 dBm input |
| Optical Input Fiber | 900um loose tube, FC/APC, blue, 1 meter, PM fiber PN: SM15-PS-U25D |
| Optical Output Fiber | 900um loose tube, FC/APC, red, 1 meter, PM fiber PN: SM15-PS-U25D |
| Input Power Monitoring Range | -10 dBm to +10 dBm at C and L band, independent |
| Output Power Monitoring Range | +10 to +28 dBm at C and L band, independent |
| Input Power Measurement Accuracy | ≤ +/- 0.5 dB, 1550 nm / 1590 nm |
| Output Power Measurement Accuracy | ≤ +/- 0.5 dB, 1550 nm / 1590 nm |
| Polarization Extinction Ratio | ≥ 20 dB |
| Control and Communication Interface | RS-232, LVTTTL voltage level |
| Dimension | 127 x 94 x 25mm |
| Power Input | +12 VDC +/- 5% |
| Electrical Interface Connector | PN: ASP202700-01, male 30-PIN |
| Operational Case Temperature Range | 0 to +50°C |
| Mode of Operation | AOPC (constant output power control), 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: ASP202700-01

| Pin No | Description | Pin No | Description |
|--------|-------------------------------|--------|-----------------------------|
| 1 | +12V | 2 | +12V |
| 3 | - | 4 | - |
| 5 | GROUND | 6 | GROUND |
| 7 | RS232 TX | 8 | RS232 RX |
| 9 | GROUND | 10 | GROUND |
| 11 | EDFA RESET LVTTTL | 12 | - |
| 13 | EDFA POWER MUTE LVTTTL | 14 | EDFA INTERLOCK LVTTTL |
| 15 | GROUND | 16 | EDFA CASE TEMP ALARM LVTTTL |
| 17 | EDFA PUMP CUR ALARM LVTTTL | 18 | EDFA PUMP TEMP ALARM LVTTTL |
| 19 | EDFA LOSS OUTPUT POWER LVTTTL | 20 | EDFA LOSS INPUT LVTTTL |
| 21 | - | 22 | - |
| 23 | GROUND | 24 | GROUND |
| 25 | GROUND | 26 | GROUND |
| 27 | +12V | 28 | Controller Health pulse |
| 29 | +12V | 30 | +12V |



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Proprietary Information of Nuphoton Technologies
 Manufactured in the USA