

Model Number: **EDFA-CW-C0-SMR-30-30-FCA**

Product Code: **1811**

Micro Processor Controlled EDFA



Specifications:

| Parameters | Specifications |
|-------------------------------------|---------------------------------------------------------------------------|
| Wavelength Range | 1535 – 1565nm, C-band single channel |
| Gain Flattening Filter | Not included |
| Output Power | +30 dBm, tested with 1550 nm, 0 dBm input |
| Gain | 30 dB, tested with 1550 nm, 0 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 | -10 dBm to +10 dBm |
| Output Power Monitoring Range | +13 to +31 dBm |
| Input Power Measurement Accuracy | ≤ +/- 0.5 dB, 1550 nm |
| Output Power Measurement Accuracy | ≤ +/- 0.5 dB, 1550 nm |
| Noise Figure | ≤ 7.5 dB typical, tested at 30 dB gain, 1550 nm, 0 dBm input |
| Control and Communication Interface | RS-232, LVTTTL Level |
| Dimension | 100 x 75 x 15mm |
| Power Input | +12 VDC +/- 5% |
| Electrical Interface Connector | PN: ASP202700-01, Male 30-PIN with clamp on both ends |
| Operational Case Temperature Range | 0 to +65 °C |
| Mode of Operation | AOPC (constant output power control), ACC (constant pump current control) |

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 CURRENT ALARM LVTTTL | 18 | EDFA PUMP TEMP ALARM LVTTTL |
| 19 | EDFA LOSS OUTPUT POWER LVTTTL | 20 | EDFA LOSS INPUT LVTTTL |
| 21 | - | 22 | - |
| 23 | - | 24 | - |
| 25 | GROUND | 26 | GROUND |
| 27 | - | 28 | Controller Health pulse |
| 29 | - | 30 | +12V |

