

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

Product Code: **1811**

**Micro Processor Controlled EDFA**



**Specifications:**

Parameters	Specifications
Wavelength Range	1535 – 1565nm, C-band single channel
Polarization Maintaining Property	Provided. Optical signal: slow axis light is amplified; fast axis light is blocked
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, 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
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
Polarization Extinction Ratio	≥ 20 dB
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)

# 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 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

*Ordering Information:*



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