

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

Product Code: **1709**

**Micro Processor Controlled EDFA**



**Specifications:**

Parameters	Specifications
Wavelength Range	1540 – 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	+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, 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	-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
Polarization Extinction Ratio	≥ 20 dB
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 +55 °C
Mode of Operation	ACC (constant pump current control)

**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		

