

Model Number: **EDFA-CW-L0-PM-RS-36-30-FCA**

Product Code: **1709**

Micro Processor Controlled EDFA



Specifications:

Parameters	Specifications
Wavelength Range	1570 – 1610nm, L-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	+36 dBm, tested with 1590 nm, +6 dBm input
Gain	30 dB, tested with 1590 nm, +6 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	+15 to +37 dBm
Input Power Measurement Accuracy	≤ +/- 0.5 dB, 1590 nm
Output Power Measurement Accuracy	≤ +/- 0.5 dB, 1590 nm
Noise Figure	≤ 7.0 dB, tested at 30 dB gain, 1590 nm, +6 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)

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		



Proprietary Information of Nuphoton Technologies
Manufactured in the USA