

ERBIUM DOPED FIBER AMPLIFIER



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

Product Code: **1709**

Micro Processor Controlled EDFA



Specifications:

Parameters	Specifications
Wavelength Range	1570 – 1610nm, L-band single channel
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, 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	+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 dB, tested at 30 dB gain, 1590 nm, +6 dBm input
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 +60 °C
Mode of Operation	ACC (constant pump current control)



日本デバイス株式会社
www.j-device.com

E-mail sales@j-device.com

Tel 03-6262-3424 Fax 03-6800-5883

Proprietary Information of Nuphoton Technologies
Manufactured in the USA

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		



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