

ERBIUM DOPED FIBER AMPLIFIER



Model Number: EDFA-CW-C0-RS-37-40-FCA

Product Code: 1511

Micro Processor Controlled EDFA



Specifications:

Parameters	Specifications
Wavelength Range	1540 – 1565nm, C-band single channel
Gain Flattening Filter	Not included
Output Power	+37 dBm, tested with 1550 nm, -3 dBm input
Gain	40 dB, tested with 1550 nm, -3 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	-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 typical, tested at 40 dB gain, 1550 nm, -3 dBm input
Control and Communication Interface	RS-232, RS232 Voltage Level
Dimension	150 x 146 x 20.5 mm
Power Input	1 of +3.3 VDC +/- 5%, 1 A current capacity 4 of +2.5 VDC, 6.5 A current capacity,
Electrical Interface Connector	PN: 173-E25-113R001 Male 25-PIN
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: 173-E25-113R001

Pin No.	Description	Pin No.	Description
1	+3.3V PWR IN	14	GROUND
2	+2.5V PWR IN1	15	GROUND
3	+2.5V PWR IN1	16	GROUND
4	+2.5V PWR IN2	17	GROUND
5	+2.5V PWR IN2	18	GROUND
6	+2.5V PWR IN3	19	GROUND
7	+2.5V PWR IN3	20	GROUND
8	+2.5V PWR IN4	21	GROUND
9	+2.5V PWR IN4	22	GROUND
10	Laser Enable/ Disable	23	CASE TEMPERATURE ALARM
11	COMMON ALARM	24	GROUND
12	RS232 TX	25	GROUND
13	RS232 RX		

Ordering Information:



800 Village Walk #316
Guilford, CT 06437
Ph: 203-401-8093

Email orders to: sales@xsoptix.com
Fax orders to: 800-878-7282

