

Model Number: **EDFA-CW-C0-RS-34-40-FCA**

Product Code: **1603**

**Micro Processor Controlled EDFA**



**Specifications:**

Parameters	Specifications
Wavelength Range	1540 – 1565nm, C-band single channel
Gain Flattening Filter	Not included
Output Power	+34 dBm, tested with 1550 nm, -6 dBm input
Gain	40 dB, tested with 1550 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	-15 dBm to +5 dBm
Output Power Monitoring Range	+15 to +35 dBm
Input Power Measurement Accuracy	≤ +/- 0.5 dB, 1550 nm
Output Power Measurement Accuracy	≤ +/- 0.5 dB, 1550 nm
Noise Figure	≤ 6.0 dB typical, tested at 40 dB gain, 1550 nm, -6 dBm input
Control and Communication Interface	RS-232, RS232 Voltage Level
Dimension	150 x 146 x 20.5 mm
Power Input	+5 VDC +/- 5%
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)

# ERBIUM DOPED FIBER AMPLIFIER



### Electrical connector:

Part number: 173-E25-113R001

Pin No.	Description	Pin No.	Description
1	+5V PWRIN	14	GROUND
2	+5V PWRIN	15	GROUND
3	+5V PWRIN	16	GROUND
4	+5V PWRIN	17	GROUND
5	+5V PWRIN	18	GROUND
6	+5V PWRIN	19	GROUND
7	+5V PWRIN	20	GROUND
8	+5V PWRIN	21	GROUND
9	+5V PWRIN	22	GROUND
10	LASER ENABLE/DISABLE	23	CASE TEMPERATURE ALARM
11	COMMON ALARM	24	GROUND
12	RS232 TX	25	GROUND
13	RS232 RX		



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Manufactured in the USA