

Model Number: **EDFA-CW-L0-RS-32-30-FCA**

Product Code: **1603**

**Micro Processor Controlled EDFA**



**Specifications:**

Parameters	Specifications
Wavelength Range	1570 – 1610 nm, L-band single channel
Gain Flattening Filter	Not included
Output Power	+32 dBm, tested with 1590 nm, +2 dBm input
Gain	30 dB, tested with 1590 nm, +2 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	+13 to +33 dBm
Input Power Measurement Accuracy	≤ +/- 0.5 dB, 1590 nm
Output Power Measurement Accuracy	≤ +/- 0.5 dB, 1590 nm
Noise Figure	≤ 6.5 dB typical, tested at 30 dB gain, 1590 nm, +2 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		

*Ordering Information:*



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

Email orders to: [sales@xsOptix.com](mailto:sales@xsOptix.com)  
 Fax orders to: 800-878-7282

