

Model Number: EDFA-CW-C4-HR-16-20-FCA

Product Code: 1401

Micro Processor Controlled EDFA



Specifications:

Parameters	Specifications
Wavelength Range	1530 – 1565nm, C-band DWDM multiple channels
Gain Flattening Filter	Included
Output Power	+16 dBm, tested with DWDM multiple channel, total input power -4 dBm
Gain	20 dB, tested with DWDM multiple channel, total input power -4 dBm
Gain Flatness vs. Wavelength	+/- 0.5 dB typical, +/- 0.6 dB maximum, @ +250C case temperature
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	-12 dBm to +3 dBm
Output Power Monitoring Range	+3 to +17 dBm
Input Power Measurement Accuracy	≤ +/- 0.5 dB, 1550 nm
Output Power Measurement Accuracy	≤ +/- 0.5 dB, 1550 nm
Noise Figure	≤ 5.5 dB, tested at 20 dB gain, -4 dBm total input power of DWDM multiple channels
PMD	≤ 0.5 ps
PDG + PDL	≤ 0.3 dB
Control and Communication Interface	RS-232, RS232 voltage level
Dimension	71 x 43 x 12 mm
Power Input	+3.3 VDC +/- 5%
Electrical Interface Connector	PN: DF11-6DP-2DSA, 6-PIN
Operational Case Temperature Range	-5 to +70 °C
Mode of Operation	AOPC (constant output power control), ACC (constant pump current control)



日本デバイス株式会社 E-mail sales@j-device.com

www.j-device.com

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

Proprietary Information of Nuphoton Technologies

Manufactured in the USA

info@nuphoton.com

+1-(951)-696-8366

+1-(951) 696-8394

ERBIUM DOPED FIBER AMPLIFIER

Electrical connector:

Part number: Hirose DF11-6DP-2DSA

Pin No.	Description	Pin No.	Description
1	3.3V Vin	2	GND
3	RS232TX/SDA	4	RS232RX/SCL
5	ENABLE	6	ALARM



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