

Model Number: EDFA-CW-PM-C0-HR-17-20-FCA

Product Code: 1401

Micro Processor Controlled EDFA



Specifications:

Parameters	Specifications
Wavelength Range	1530 – 1565nm, C-band single channel
Polarization Maintaining Property	Provided. Optical signal: slow axis light is amplified; fast axis light is blocked
Gain Flattening Filter	Not Included
Output Power	+17 dBm, tested with 1550 nm, -3 dBm input, aligned along slow axis of PM fiber
Gain	20 dB, tested with 1550 nm, -3 dBm input, aligned along slow axis of PM fiber
Optical Input Fiber	900um loose tube, FC/APC, blue, 1 meter, PM fiber PN: SM15-PS-U25D
Optical Output Fiber	900um loose tube, FC/APC, red, 1 meter, PM fiber PN: SM15-PS-U25D
Input Power Monitoring Range	-12 dBm to +3 dBm
Output Power Monitoring Range	+4 to +18 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, -3 dBm input power at 1550 nm
Polarization Extinction Ratio	≥ 20 dB
Control and Communication Interface	RS-232, RS232 voltage level
Dimension	71 x 43 x 12mm
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)

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

