

# ERBIUM DOPED FIBER AMPLIFIER

## 50 nm bandwidth Super C-band DWDM EDFA

Model Number: EDFA-CW-XC4-RS-17-20-FCA

Product Code: 1107

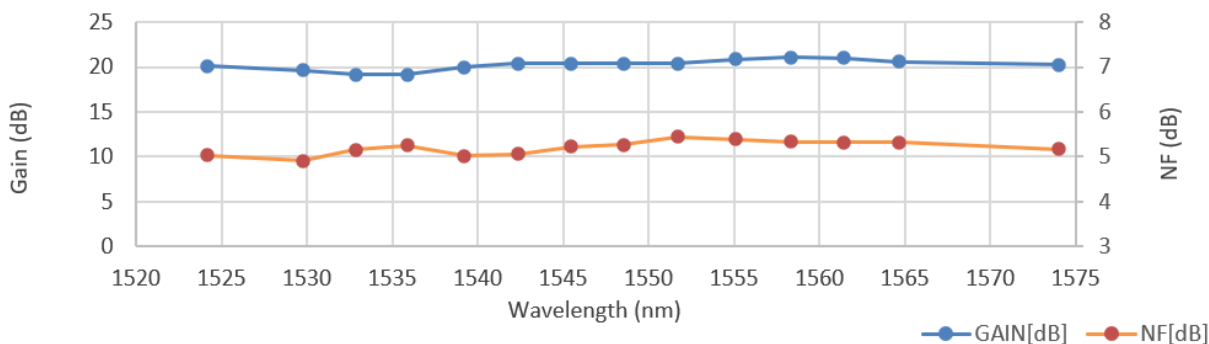
Micro Processor Controlled EDFA



**Specifications:**

July 30<sup>th</sup> 2024

Parameters	Specifications
Wavelength Range	1524 – 1574 nm
Input Power	-3 dBm typical, multiple DWDM channels
Input Power Monitoring	-10 to +5 dBm
Gain	20 dB [for -3 dBm input]
Output Power	+17 dBm, tested with -3 dBm DWDM input
Gain Flatness	≤ 2.0 dB peak-to-peak typical, ≤ 2.5 dB max. at case temp 25°C
Output Power Monitoring	+5 to +18 dBm
Input / Output Fiber	SMF-28, 1 meter length
Input / Output Optical Connector	FC/APC
Input / Output Isolator	Provided
Dimension	4.9 x 4.5 x 0.66 inch
DC Power Input	+5VDC +/- 5%
DC Power Consumption	≤ 5W @ +25°C case temperature
Noise Figure	5.5 dB typical at signal wavelength ~1550 nm
Operating Temperature	0 to +60°C
Control and Communication	RS-232, RS232 voltage level
Rackmount Option	Available, with PN EDFA-CW-XC4-PR-17-20-FCA



Typical Gain and NF performance for DWDM multiple channels input