

Model Number: **EDFA-CW-C4-MR-17-20-FCA**

Product Code: **1606**

Micro Processor Controlled EDFA



Specifications:

Parameters	Specifications
Wavelength Range	1530 – 1565nm, C-band DWDM multiple channels
Gain Flattening Filter	Included
Output Power	+17 dBm, tested with DWDM multiple channel, total input power -3 dBm
Gain	20 dB, tested with DWDM multiple channel, total input power -3 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	-15 dBm to +3 dBm
Output Power Monitoring Range	+3 to +18 dBm
Input Power Measurement Accuracy	≤ +/- 0.5 dB, 1550 nm
Output Power Measurement Accuracy	≤ +/- 0.5 dB, 1550 nm
Noise Figure	≤ 5.0 dB, tested at 20 dB gain, -3 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	90 x 70 x 15mm
Power Input	+5 VDC +/- 5%
Electrical Interface Connector	PN: SQT-115-03-L-D, Female 30-PIN
Operational Case Temperature Range	-5 to +70 °C
Mode of Operation	AOPC (constant output power control), ACC (constant pump current control), AGC (constant gain control, optional)

ERBIUM DOPED FIBER AMPLIFIER

Electrical connector:

Part number: SQT-115-03-L-D

Pin No.	Description	Pin No.	Description
1	5V Vin	2	5V Vin
3	-	4	-
5	GROUND	6	GROUND
7	Serial In	8	Serial Out
9	GROUND	10	GROUND
11	-	12	EXTERNAL RESET
13	PUMP ENABLE / DISABLE	14	OUTPUT MUTE
15	CASE TEMPERATURE ALARM	16	COMMON ALARM
17	TEMPERATURE ALARM	18	PUMP BIAS ALARM
19	LOSS OF INPUT POWER ALARM	20	LOSS OF OUTPUT POWER ALARM
21	GROUND	22	GROUND
23	INPUT POWER MONITOR	24	OUTPUT POWER MONITOR
25	GROUND	26	GROUND
27	-	28	-
29	5V Vin	30	5V Vin

