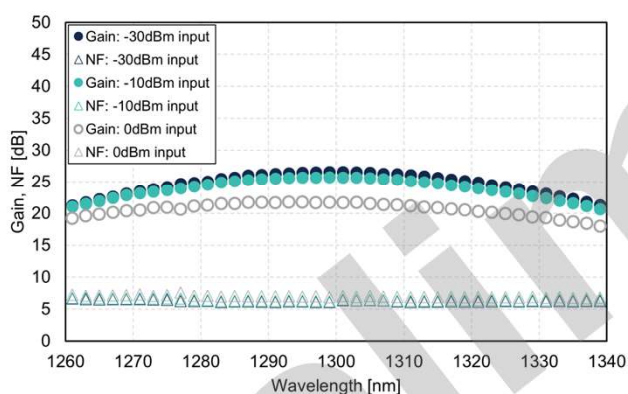


AMP-FL8621-OB-21

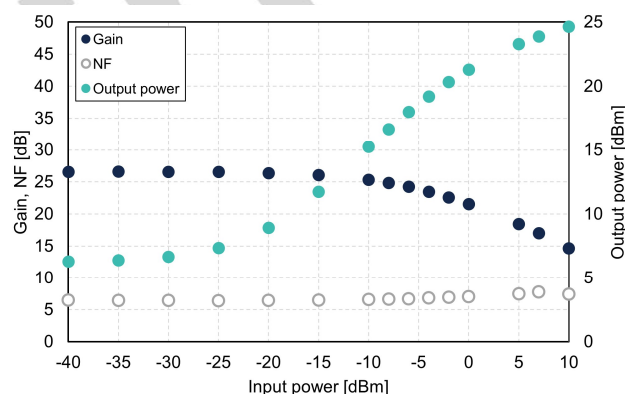
- O-band Bismuth-Doped Fiber Amplifier -



Typical Performance



Gain/noise figure vs. wavelength



Gain/NF/output power vs. input power @1310nm

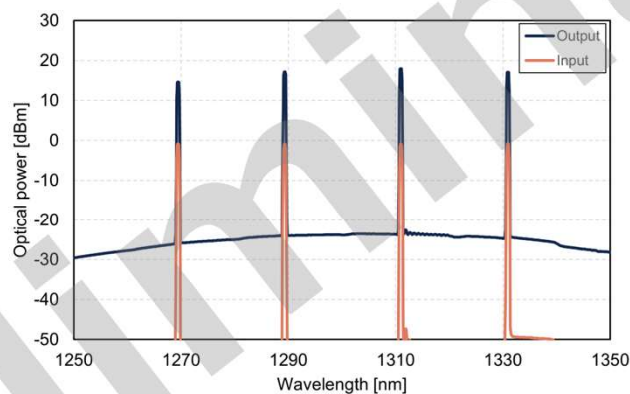
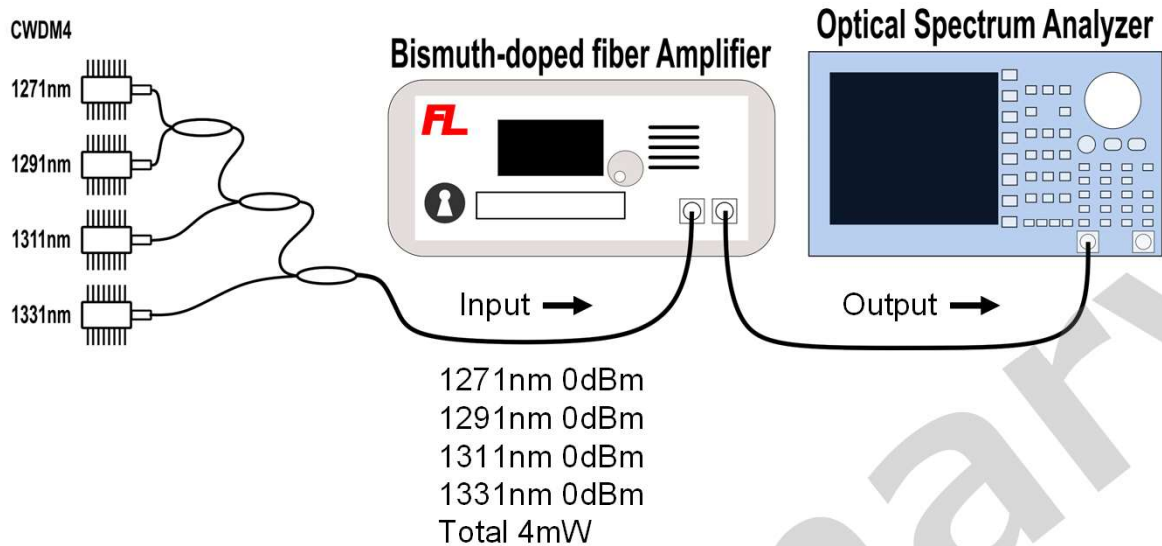
Features

- ❑ High output power model in O-band optical fiber amplifiers (≥ 21 dBm)
- ❑ Wide wavelength range
- ❑ Low noise figure (≤ 7 dB)
- ❑ High stability
- ❑ High reliability

Applications

- ❑ High speed ethernet (100G, 400G, 800G and beyond)
- ❑ Transceiver testing (e.g., receiver stress test)
- ❑ Optical telecommunications
- ❑ Sensing
- ❑ R&D

CWDM4 simultaneous amplification



Product Number: AMP-FL8621-OB-21

Optical Specifications	unit	min.	typ.	max.	note
Signal Wavelength	nm	1260	1310	1340	-
Signal Input Power	dBm	-40	-	10	Signal input power monitor
Signal Output Level	dBm	21	-	-	Pin: 0dBm @λ typ.
Signal Gain	dB	23	26	-	Pin: -30dBm @λ typ.
Noise Figure	dB	-	6	7	Pin: -30dBm @λ typ.
Working Axis	-	-	-	-	-
Polarization Extinction Ratio	dB	-	-	-	-
Input/Output Isolation	dB	40/40	-	-	Internal isolator included
Gain Flatness	dB	-	4	5	1271, 1291, 1311, 1331nm 0dBm Input
Laser Class	-	1	-	-	-
Standard Optical Connector	-	FC/PC	-	-	-
Input/Output Fiber	-	Corning SMF28e	-	-	-

Functional Specifications		note
Operating Mode	Auto Current Control - Auto Light Control	-
Monitoring Parameters	- Input signal power - Output signal power - - Pump LD current - Pump LD temperature - Case temperature	- - - - - -
Remote Control	- RS-232C - IEEE488.1(GP-IB)	- -
Safety Function	- Key lock switch - Remote interlock - Pump shutdown with input alarm -	- - - -

Electric Specifications	unit	min.	typ.	max.	note
Power Consumption	W	-	40	55	-
Insulation Resistance	MOhm	10	-	-	DC500kV, b/w PS-Case
Withstand Voltage	kV	1.5	-	-	AC, 2seconds, b/w PS-Case
Power-Supply Voltage	V	90	-	240	AC
Fluctuation Tolerance	%	-	-	10	-
Power-Supply Frequency	Hz	50	-	60	-
Fluctuation Tolerance	%	-	-	10	-

Mechanical Specifications	unit	min.	typ.	max.	info.
Weight	kg	-	-	7	-
Dimension	mm	- 88 x 430 x 350	-	-	HxWxD, without protrusions, 2U compatible

Environmental Specifications	unit	min.	typ.	max.	info.
Operating Temperature	° C	0	-	40	-
Storage Temperature	° C	-10	-	60	-
Operating Humidity	%rh	0	-	90	Non-condensing
Operating Condition	-	Indoor Use	-	-	-

Other/Special Specifications
None in particular

Option	
opt. 011	N/A
opt. 012	FC/Angled-PC
opt. 013	SC/PC
opt. 014	SC/Angled-PC
opt. 072	N/A
opt. 091	N/A
opt. 093	N/A
opt. 121	N/A
opt. 123	Rackmount brackets (Size: 88(H)×430(W)×350(D) mm)

Standard Accessory	
Power cable	: 1
Power key	: 2
Manuals	: PDF
Specification sheet	: PDF
Inspection record	: Hard copy

※ All functions, specifications and appearance are subject to change without notice.



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Revision Information

Unique : 1.2.2

Common : 1.2.1

Format : 1.4.1

