

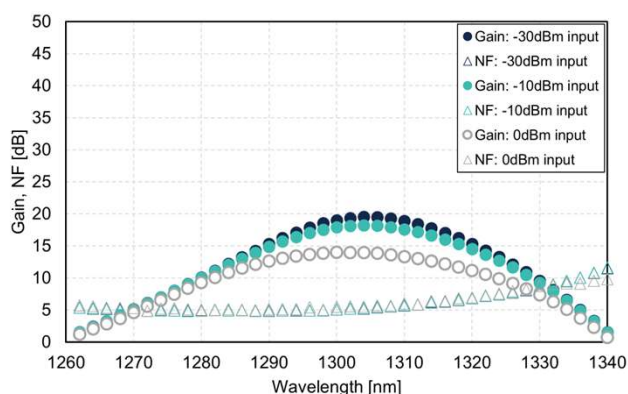


AMP-FL5601-OB-13

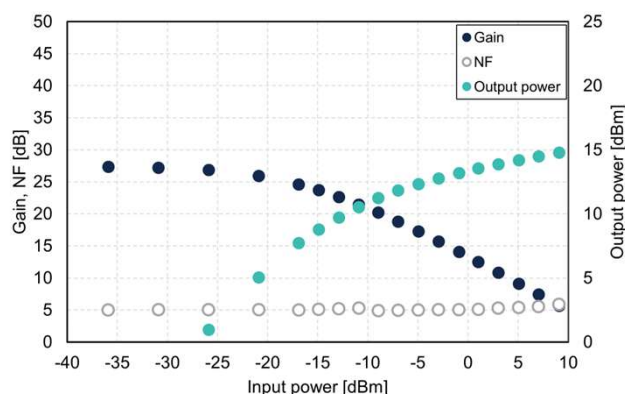
- O-band Optical Fiber Amplifier -



Typical Performance



Gain/noise figure vs. wavelength



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

Features

- ❑ Designed for network application
- ❑ Based on our proprietary fluoride fiber PDFA technology
- ❑ Wide wavelength range
- ❑ Low noise figure ($\leq 7\text{dB}$)
- ❑ High stability
- ❑ High reliability

Applications

- ❑ Data centers
- ❑ Access/metro networks
- ❑ WDM transmission
- ❑ Network monitoring (e.g. packet inspection)
- ❑ R&D

Product Number: AMP-FL5601-OB-13

Optical Specifications	unit	min.	typ.	max.	note
Signal Wavelength	nm	1280	1310	1320	-
Signal Input Power	dBm	-40	-	10	Signal input power monitor
Signal Output Level	dBm	13	-	-	Pin: 0dBm @λtyp.
Signal Gain	dBm	15	17	-	Pin:-30dBm @λtyp.
Noise Figure	dB	-	6	7	Pin:-30dBm @λtyp.
Working Axis	-	-	-	-	-
Polarization Extinction Ratio	dB	-	-	-	-
Input/Output Isolation	dB	40/40	-	-	Internal isolator included
Laser Class	-	1	-	-	-
Standard Optical Connector	-	SC/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 Back-reflection from outout port Pump LD current Pump LD temperature Case temperature Power0supply-unit voltage Fan rotation
Remote Control	- Relay terminal for alarm RS232C (Non-Interactive command-line control)
Safety Function	- Pump shutdown with input alarm Power reduction with back reflection alarm

Electric Specifications	unit	min.	typ.	max.	note
Power Consumption	W	-	30	40	-
Insulation Resistance	MΩm	10	-	-	DC500kV, b/w PS-Case
Withstand Voltage	kV	1.5	-	-	AC, 2seconds, b/w PS-Case
Power-Supply Voltage	V	90	-	240	AC, Duplicated & Hot-swap
Fluctuation Tolerance	%	-	-	10	-
Power-Supply Frequency	Hz	50	-	60	-
Fluctuation Tolerance	%	-	-	10	-

Mechanical Specifications	unit	min.	typ.	max.	info.
Weight	kg	-	-	5	-
Dimension	mm	-	43 x 440 x 403	-	HxWxD, without protrusions, 1U compatible

Environmental Specifications	unit	min.	typ.	max.	info.
Operating Temperature	°C	0	-	40	-
Storage Temperature	°C	-10	-	60	-
Operating Humidity	%rh	5	-	80	Non-condensing
Operating Condition	-	Indoor Use	-	-	-

Other/Special Specifications

None in particular

Option
opt.011 FC/PC
opt.012 FC/Angled-PC
opt.014 SC/Angled-PC
opt.019 Other Customized Connector
opt.023 DC-48V Hot Swap Power Supply
opt.029 Other Customized Power Supply
opt.092 Ethernet Interface
100BASE-TX / 10BASE-T / Auto-MDIX / RS232C (Interactive shell) / Telnet / Http (Web I/F) / SSH (password-auth) / SNMP (v2c) / Syslog / NTP
opt.093 Back reflection monitor, alarm & Interlock
opt.151 Front Control Panel & Display

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.



FiberLabs Inc.

Phone: +81-49-278-7829

info@fiberlabs.com

https://www.fiberlabs.com

[Head Office] 2-1-15 Ohara, Fujimino, Saitama, 356-8502, Japan

[Kawagoe Office] 4F 27-9 Wakitamachi, Kawagoe, Saitama, 350-1122, Japan

Revision Information

Unique : 2.1.2

Common : 2.1.1

Format : 2.1.1

