

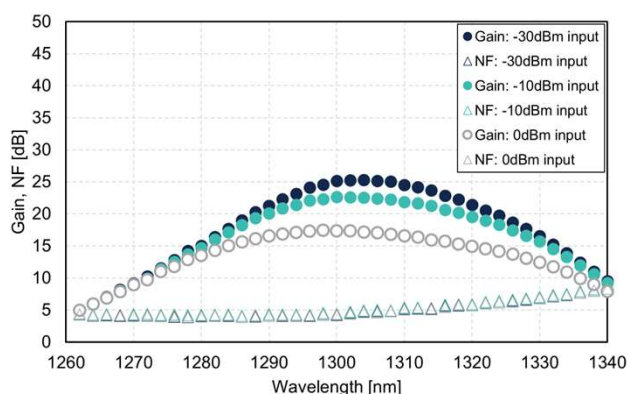


AMP-FL5601-OB-16

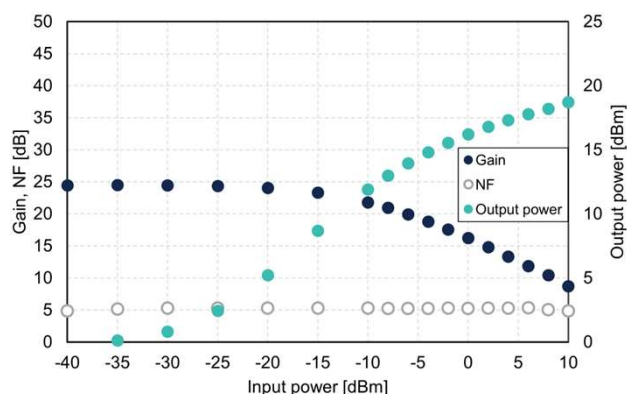
- O-band Optical Fiber Amplifier -



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
- ❑ Booster amplifier (output power ≥ 16 dBm)
- ❑ Wide wavelength range
- ❑ Low noise figure (≤ 7 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-16

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	16	-	-	Pin: 0dBm @λtyp.
Signal Gain	dBm	20	24	-	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	-	-	Opt.093
	-	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	-	-	Opt.093
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.



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Revision Information

Unique : 2.1.2

Common : 2.1.1

Format : 2.1.1

