

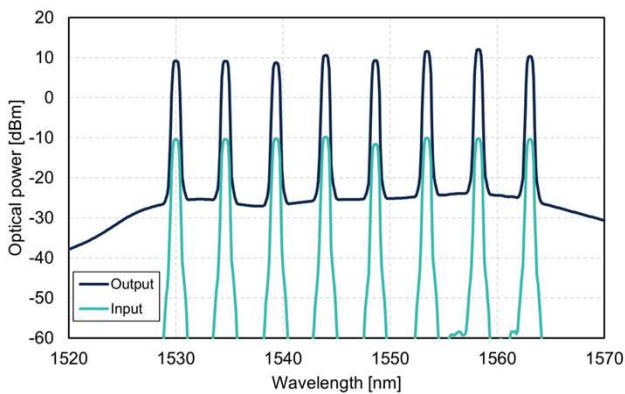


# AMP-FL8013-CB-19-W

- C-band Optical Fiber Amplifier -



## Typical Performance



Input power/Output power vs. wavelength

## Features

- ❑ Flat gain from 1525 to 1570 nm for WDM signal amplification
- ❑ Ultra low noise figure model ( $\leq 5\text{dB}$ )
- ❑ High stability
- ❑ High reliability

## Applications

- ❑ WDM signal amplification
- ❑ Optical component tests
- ❑ Optical telecommunications
- ❑ Sensing
- ❑ R&D

## Product Number: AMP-FL8013-CB-19W

Optical Specifications					
	unit	min.	typ.	max.	note
Signal Wavelength	nm	1530	1550	1560	-
Signal Input Power	dBm	-40	-	10	Signal input power monitor Opt.092
Signal Output Level	dBm	19	-	-	Pin: 0dBm @λ typ.
Signal Gain	dB	-	30	-	Pin: -30dBm @λ typ.
Noise Figure	dB	-	4	5	Pin: -30dBm @λ typ.
Working Axis	-	-	-	-	-
Polarization Extinction Ratio	dB	-	-	-	-
Input/Output Isolation	dB	40/40	-	-	Internal isolator included
Gain Flatness	dB	-	-	3	-
Laser Class	-	3B	-	-	-
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	-	-	Opt.092
	-	Output signal power	-	-	-
	-	Back-reflection from outout port	-	-	Opt.093
	-	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	-	-	Opt.091
	-	Power reduction with back reflection alarm	-	-	Opt.093
Electric Specifications					
	unit	min.	typ.	max.	note
Power Consumption	W	-	-	30	-
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	-	-	5	-
Dimension	mm	-	88 x 260 x 350	-	HxWxD, without protrusions
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	-	-	-

This is designed to obtain the best gain flatness for input signals of 1530~1560nm with total power of 0dBm.

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	Input monitor, alarm & Interlock (* Noise Figure +0.5dB)
opt.093	Back reflection monitor, alarm & Interlock
opt.121	Rackmount brackets (Size: 88(H)×430(W)×350(D) mm)
opt.123	N/A

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 : 1.2.1

Common : 1.2.2

Format : 1.4.1

