

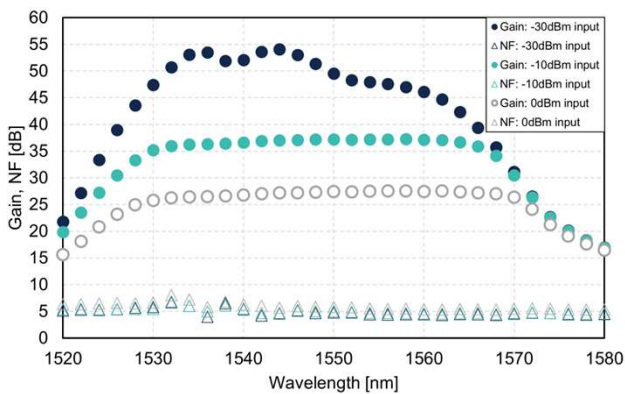


# AMP-FL8015-CB-27

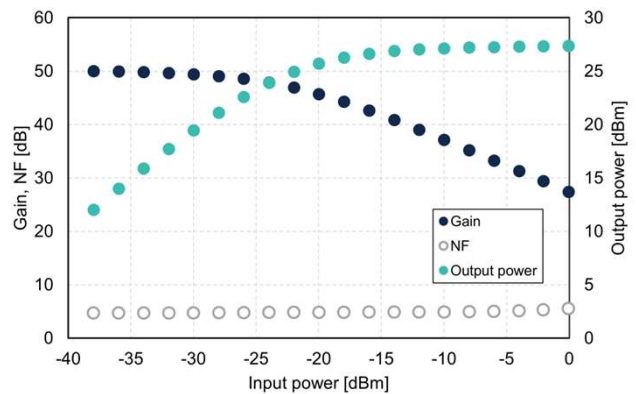
- C-band Optical Fiber Amplifier -



## Typical Performance



Gain/noise figure vs. wavelength



Gain/NF/output power vs. input power @1550nm

## Features

- ❑ High power ( $\geq 27\text{dBm}$ )
- ❑ Low noise figure ( $\leq 6\text{dB}$ )
- ❑ High stability
- ❑ High reliability

## Applications

- ❑ WDM signal transmission
- ❑ Optical component tests
- ❑ CATV
- ❑ Sensing
- ❑ R&D

## Product Number: AMP-FL8015-CB-27

Optical Specifications	unit	min.	typ.	max.	note
Signal Wavelength	nm	1540	1550	1560	-
Signal Input Power	dBm	-10	-	10	Signal input power monitor
Signal Output Level	dBm	27	-	-	Pin: 0dBm @λtyp.
Signal Gain	dBm	-	-	-	-
Noise Figure	dB	-	4	6	Pin: 0dBm @λtyp.
Working Axis	-	-	-	-	-
Polarization Extinction Ratio	dB	-	-	-	-
Input/Output Isolation	dB	-	-	-	Internal isolator included
Laser Class	-	4	-	-	-
Standard Optical Connector	-	FC/Angled-PC	-	-	Narrow key
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	- - - - - -
Remote Control	- RS-232C - IEEE488.1(GP-IB)	- -
Safety Function	- Key lock switch - Remote interlock - Pump shutdown with input alarm - Power reduction with back reflection alarm	- - - -

Electric Specifications	unit	min.	typ.	max.	note
Power Consumption	W	-	-	50	-
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
Fluctuation Tolerance	%	-	-	10	-
Power-Supply Frequency	Hz	50	-	60	-
Fluctuation Tolerance	%	-	-	10	-

Mechanical Specifications	unit	min.	typ.	max.	info.
Weight	kg	-	-	10	-
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 FC/PC
opt.012 N/A
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 : 1.1.2

Common : 1.1.1

Format : 1.3.2

