

CEFA-L-PB-LP SERIES

CW ERBIUM FIBER AMPLIFIER L-BAND LOW POWER

1.5 μm

KEY FEATURES

- Up to 23 dBm of saturated output power
- Low noise figure
- Low power consumption
- Choice between turnkey benchtop or OEM module
- Polarization-maintaining (optional)
- Mid-stage access (optional)
- Wide range operating temperature (-20 °C to +65 °C for modules)

Description

CEFA-L-PB-LP series are Erbium doped fiber amplifiers designed for single channel amplification. These L-band amplifiers deliver up to 23 dBm of saturate output power.

The series include polarization-maintaining models, narrow linewidth amplification and mid-stage access options.

Keopsys develops different platforms:

- User-friendly turnkey benchtop instruments, directly monitoring from front face.
- Very compact modules, in particular the MSA module platform (M201) with up to 15 dBm output power.
- Both benchtops and modules can be controlled with a PC via RS232 using our B2V2 software.

Built with a unique design, these devices can be operated at low input power, down to -20 dBm. They also offer excellent optical noise figure and high optical signal to noise ratio at the output. The all-in-fiber systems are maintenance free. Their wide range of operations make these amplifiers suitable for many different applications.

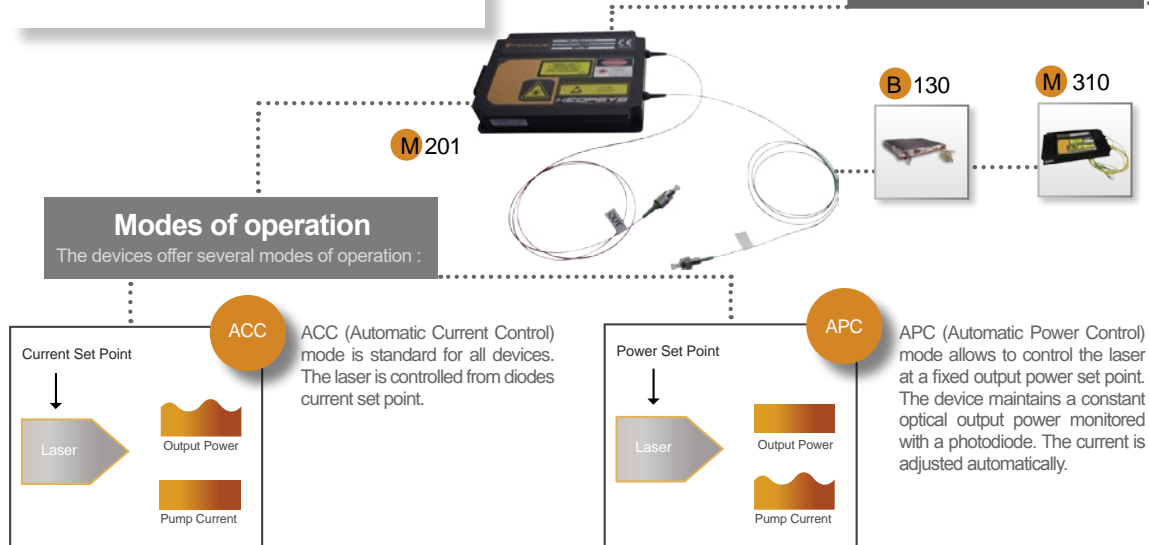
APPLICATIONS



- DWDM transmission networks
- Test and measurement
- LIDAR
- Scientific

Credit photo plateforme B130 : Wyecs Prod

4 Platforms



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V2.3

Optical Specifications @ 25 °C	CEFA-L-PB-LP					
Mode of operation	CW					
Polarization	Random (SM) or linear (PM with PER>20 dB)					
Output power (-6 dBm input)	10 dBm	13 dBm	15 dBm	18 dBm	21 dBm	23 dBm
Wavelength range	1570-1603 nm					
Input power range	-20 to 0 dBm					
Noise figure (-6 dBm, 1595 nm input)	< 5.5 dB for SM, < 6.5 dB for PM					
Control mode	ACC, APC					
APC Tunability	10 to 100 %			30 to 100 %		
10 dB loss mid-stage access (optional)	Yes					
Input / Output termination	FC/APC, SC/APC, FC/SPC, SC/SPC					

The CEFA-L-PB-LP series amplifiers are available as benchtop or as OEM module.

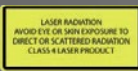
RELIABILITY

The Keopsys range of fiber amplifiers are manufactured with tested components and are submitted to several inspections during the manufacturing process under a rigorous quality management certified in accordance with the ISO 9001:2008 standard. Our all-in-fiber systems offer maintenance free operation. Countless units are continuously running in demanding environments with no failure.

GUARANTEE

Our fiber systems are under 1 full year parts and labor guarantee. We offer a warranty extension of 1 or 2 years. Please contact us.

For ordering information and custom solutions, please contact us.



Keopsys undertakes a continuous and intensive product development program to ensure that its products perform to the highest technical standards. As a result, the specifications in this document are subject to change without notice.