

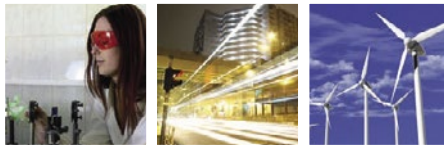
CEFA-L-PB-HP SERIES

CW ERBIUM FIBER AMPLIFIER L-BAND HIGH POWER

KEY FEATURES

- Up to 33 dBm of saturated output power
- Low noise figure
- Pre-amplifier built-in for low input power
- Polarization-maintaining (optional)
- Choice between turnkey benchtop or OEM module
- Low power consumption
- High reliability

APPLICATIONS



- DWDM transmission networks
- Free space communication
- Remote sensing (LIDAR)
- Test and measurement
- Scientific

Description

1.5 μm

CEFA-L-PB-HP series are Erbium doped fiber amplifiers designed for a single channel amplification. These L-band amplifiers deliver up to 33 dBm of saturated output power

The series include polarization-maintaining models.

Keopsys develops different platforms:

- User-friendly turnkey benchtop instruments, directly monitoring from front face.
- Very compact OEM modules.
- Both benchtops and OEM modules can be controlled with a PC via RS232 using our B2V2 program.

Built with several stages of amplification, 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.

Their wide range of operations make these amplifiers suitable for many different applications.

Crédit photo plateforme B130 : Wyecs Prod

3 Platforms

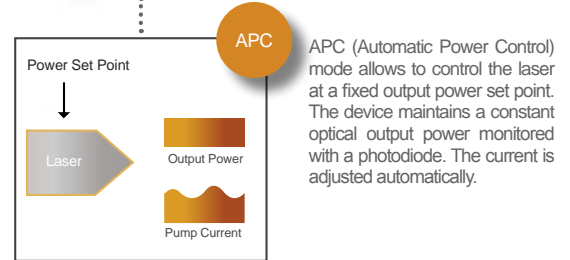
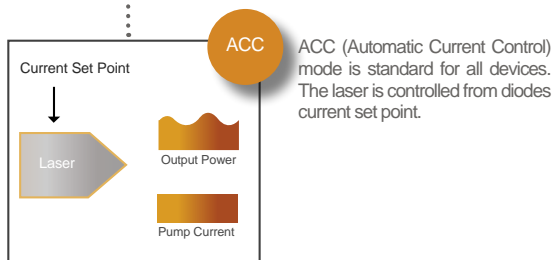
B 130

M 301 / M 305



Modes of operation

The devices offer several modes of operation :



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V3.2

Optical Specifications @ 25 °C	CEFA-L-PB-HP			
Mode of operation	CW			
Polarization	Random (SM) or linear (PM with PER>17 dB)			
Output power (-6 dBm input)	25 dBm	27 dBm	30 dBm	33 dBm
Wavelength range	1565-1605 nm			
Input power range	-20 to +0 dBm			
Noise figure (-6 dBm, 1595 nm input)	<6 dB for SM <7 dB for PM	<6.5 dB for SM <7.5 dB for PM	<7 dB for SM <8 dB for PM	
Control mode	ACC, APC			
APC Tunability	10 to 100 %			
Optical port fiber type	SMF28 or PANDA			
Input / output termination	FC/APC, SC/APC, FC/SPC, SC/SPC			

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

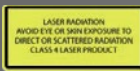
RELIABILITY

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.