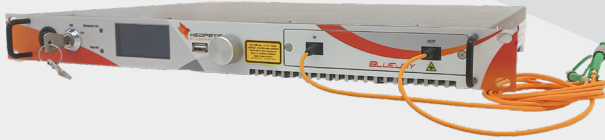


PEFA-SP-C

Pulsed Erbium Fiber Amplifier
1.5 μm short pulse



B130



M102



M304



MAIN FEATURES

- Picosecond pulse amplification
- Pulse distortion free up to 1 kW
- Average power up to 33 dBm
- Operating wavelength from 1535 to 1565 nm
- Pulse repetition frequency from 10 MHz to 100 GHz
- Polarization maintaining fiber
- User-friendly benchtop or compact OEM module

MAIN APPLICATIONS

- HIGH PEAK POWER GENERATION
- NON-LINEAR OPTICS
- HIGH SPEED TRANSMISSION SYSTEMS
- SUPER-CONTINUUM AND PULSE COMPRESSION

“

The PEFA-SP-C series is a range of 1.5 μm pulsed fiber amplifiers specially designed to amplify picosecond sources up to 1 kW without pulse distortion.

The all-in-fiber design offers an amplification with a low noise figure and a low dispersion over the C-band from 1535 to 1565 nm. Solutions are available with an average power up to 33 dBm and with polarization maintaining fiber. The PEFA-SP-C amplifiers are commonly used for applications such as high peak power generation, non-linear optics, high speed transmission systems and supercontinuum generation.

The PEFA-SP-C series is available in turn-key 1U rack or module. The 1U rack offers the possibility to control the amplifier via the front panel or remotely via serial USB and Ethernet ports. The module incorporates a microcontroller for internal controls, alarms, and RS232 communication, making the amplifier widely compatible.

”

www.keopsys.com

Many options and configurations are available.
Please contact Lumibird to find the best match for
your needs and compatibility between options.

PEFA-SP-C

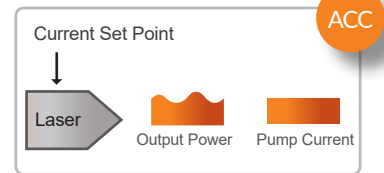
Pulsed Erbium Fiber Amplifier
1.5 μm short pulse



SPECIFICATIONS

	PEFA-SP-C
Mode of operation	Pulsed
Wavelength range (nm)	1535-1565 or 1545-1565 (depending on models)
Average output power at 0 dBm input in CW (dBm)	From 23 to 33
Average input power (dBm)	-15 to +5
Peak power (kW)	Up to 1 (for distortion-free pulse)
Pulse repetition frequency (GHz)	0.01 to 100
Pulse duration (ps)	0.3 to 10
Typical dispersion (fs/nm)	35
Polarization	Linear (PER > 20 dB)
Control Mode	ACC
Fiber type	PANDA
Input/output termination	FC/APC

Mode of operation



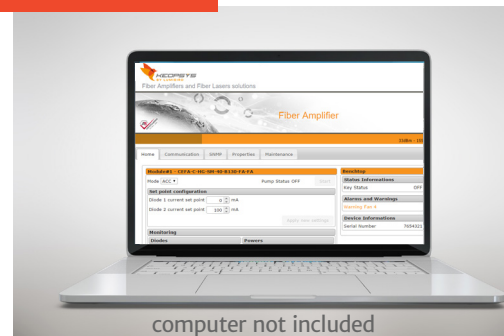
ACC (Automatic Current Control)

EASY TO CONTROL !



Benchtop

Control box
for modules



computer not included

Control of device

- User-friendly benchtop with dial and front panel display for easy control and monitoring of the product
- Modules with optional control box and cables for easy evaluation

Remote control

- USB port for benchtop
- Command set provided
- GUI available for modules and as an option for benchtops
- Web server, Telnet, SSH protocols for benchtop

Reliability

All our fiber lasers and fiber amplifiers are manufactured according to our ISO certified quality management system, which places the needs and values of customers and partners at the heart of our organization. Throughout the manufacturing process, our components and systems are subjected to rigorous tests and inspections, which guarantees their robustness and reliability in the most demanding environments. Countless units operate continuously without maintenance around the world. The ISO 9001 certificates can be downloaded from our website.



LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO
DIRECT OR SCATTERED RADIATION
CLASS 4 LASER PRODUCT

www.keopsys.com

Many options and configurations are available.
Please contact Lumibird to find the best match for
your needs and compatibility between options.



Lumibird has locations across the globe
that are available to provide support
for any product, service or inquiry.
Visit www.lumibird.com to connect with any of our global sites.

