

PEFA-SP-C SERIES

PULSED ERBIUM FIBER AMPLIFIER

1.5 μm SHORT PULSE FIBER AMPLIFIER

KEY FEATURES

- Femto and picosecond pulse amplification
- Pulse distortion free up to 1 KW
- Average power up to 33 dBm
- Operating wavelngth from 1535 to 1565 nm
- Pulse repetition frequency from 10 MHz to 100 GHz
- Polarization maintaining available
- Choice between turn key easy to use benchtop or compact OEM module

APPLICATIONS



- High peak power generation
- Non-linear fiber optics
- High speed transmission systems
- Super-continuum and pulse compression

Description

1.5 μm

PEFA-SP-C series are designed to amplify femtosecond and picosecond pulses without pulse distortion.

The Keopsys design of these amplifiers does not change the pulsewidth neither the spectral linewidth up to 1 KW of peak power.

Polarization maintaining versions are available.

Completely fibered, these devices are robust, reliable and maintenance free, and can work in demanding environments.

The products are available in user-friendly turnkey benchtops for simple use in laboratory environment or compact modules controlled through RS232.

3 Platforms

Credit photo plateforme B130 : Wyecs Prod

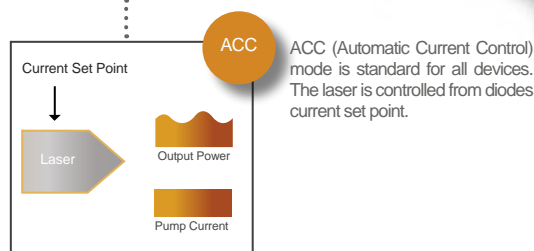
M 201

M 301



Mode of operation

The devices offer one mode of operation :



Non contractual photos



B 130

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1.5 μ m SHORT PULSE FIBER AMPLIFIER

Optical Specifications @ 25 °C	PEFA-SP-C
Mode of operation	Pulsed
Optical pulse length	0,3 to 10 ps
Operating wavelength	1535-1565 nm
Peak power	up 1 kW for pulse distortion free
Average input power	-15 to +5 dBm
Saturated output power (0 dBm input in CW)	From 15 to 33 dBm
Pulse repetition frequency	10 MHz to 100 GHz
Dispersion	< 35 fs/nm
Polarization	Random or Linear
Control mode	ACC
Input/output termination	FC/APC, SC/APC, FC/SPC, SC/SPC, E2PS, C1

The PEFA-SP-C 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.