



High-Power Fiber Pre-amplifier

PEGASUS-L Series



Description

The PEGASUS-L series is ConsteleX advanced series of amplifiers. They are specially designed pre-amplifiers and offer high output power, very low noise signal levels and very low input power level within the L-band. The PEGASUS comes in a user-friendly benchtop enclosure with front panel control and display, as well as serial interface and software for remote operation.

Specifications

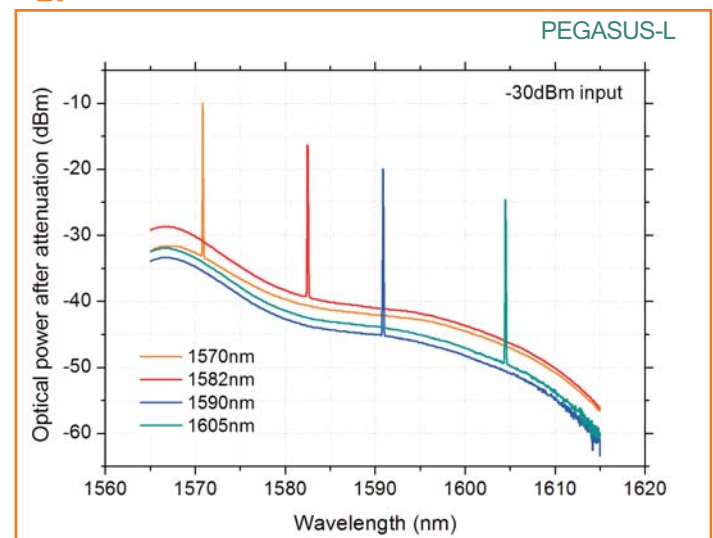
PEGASUS-L Series			
Specification	Value	Units	Notes
Input wavelength range	1565-1605	nm	
Saturated Output Power	>+13	dBm	Pin = -30 dBm
Input Power	> -40	dBm	
Small Signal Gain	> 40	dB	Pin = -30 dBm
Noise Figure (NF)	< 4.5	dB	
Environmental Conditions			
Operating Temperature	15 - 50	°C	
Storage Temperature	-20 to +60	°C	
Humidity	0 - 95 %		
Electrical & Mechanical Specifications			
Operating Voltage	85 - 264	VAC	@ 47-63 Hz
Interface	Serial		RS-232 & GUI
Power Consumption	< 40	W	
Dimensions	47 x 27 x 10	cm	
Ordering Information			
Order Code: PEGASUS-L-FCAPC			
Other connectors available upon request			
All information is accurate and subject to change without notice.			

PEGASUS amplifiers are ideal building blocks for low noise optically pre-amplified receiver systems suitable for fiber-optic testbeds and test & measurement setups. The series was designed for amplification of very weak signals making these amplifiers ideal for testing research prototypes with high loss or photonic chips with high chip-to-fiber coupling losses.

Applications

- Photonics R&D
- Photonic chip testing
- Optical Receivers
- Prototype testing

Typical Performance



LASER RADIATION
AVOID EXPOSURE TO BEAM
CLASS 3B LASER PRODUCT



thinking outside the box