



“X-in-1” L-band Combo Optical Amplifier

HYDRA-L Series



Description

The HYDRA-L series is ConsteleX L-band version of the "combo" solution, offering multiple low-noise amplifiers in a single benchtop package combining compactness and cost-effectiveness.

The product includes on/off key switch and current control for adjusting the emission status and pump current of the amplifiers. The front panel allows for monitoring the emission status, pump current and temperature. A serial interface with easy-to-use software is also available for remote operation of the HYDRA.

HYDRA-L is fully customizable: you are free to choose the number of ports and power configuration per port that will best fit your application.

Applications

- Photonics R&D
- CATV
- Gas Sensing
- Telecoms



Need both C- and L-band ?

The versatility of the HYDRA series allows the cost effective integration of both C- and L-band optical amplifiers in a single system.

HYDRA - L - Series			
Specification	Value	Units	Notes
Input wavelength range	1565-1605	nm	
Saturated Output Power	10 - 18	dBm	Pin = -6 dBm
Input Power	-20	dBm	
Small Signal Gain	> 30	dB	Pin = -20 dBm
Noise Figure (NF)	< 6	dB	
Environmental Conditions			
Operating Temperature	15 - 40	°C	
Storage Temperature	-20 to +50	°C	
Humidity	0 - 90 %		
Electrical & Mechanical Specifications			
Operating Voltage	85 - 264	VAC	@ 47-63 Hz
Interface	Serial		RS-232 & GUI
Power Consumption	40 - 80	W	depending on model
Dimensions	47 x 27 x 10	cm	
Ordering Information			
Order Code: HYDRA-L-W-X-Y-Z-FCAPC		W-Z: EDFA O/P powers	
Other connectors available upon request			
All information is accurate and subject to change without notice.			



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