



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

HYDRA-C Series



Description

The HYDRA series is ConsteleX "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 is fully customizable! you are free to choose the number of ports and power configuration per port that will best fit your application. You can also select to have **C- and L-band amplifiers**, all in a single system, combining the product with our HYDRA-L series.

HYDRA - C - Series

Specification	Value	Units	Notes
Input wavelength range	1530-1565	nm	
Saturated Output Power	13 - 21	dBm	Pin = -6 dBm
Input Power	-20 to +3	dBm	
Small Signal Gain	> 28	dB	Pin = -20 dBm
Noise Figure (NF)	< 4	dB	Pin = -10 dBm @1555 nm

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: HYDRA-C-W-X-Y-Z-FCAPC W-Z: EDFA O/P powers

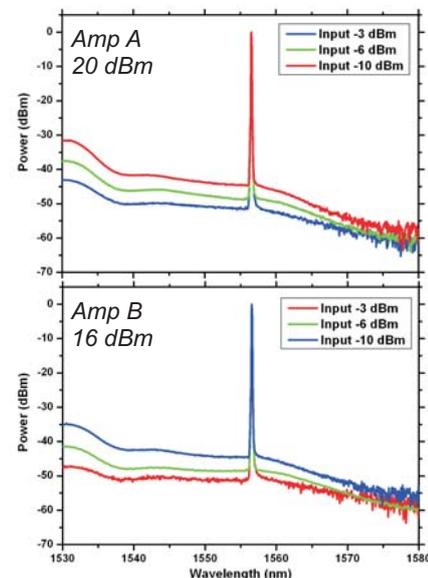
Other connectors available upon request

All information is accurate and subject to change without notice.



LASER RADIATION
AVOID EXPOSURE TO BEAM
CLASS 3B LASER PRODUCT

Example: HYDRA-C-16-20



Applications

- Photonics R&D
- Optical Testing
- Optical Networks
- Transmission Testbed



thinking outside the box

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