

## Key Features

- High output power
- High gain
- Low noise figure
- RS232 computer interface
- Highly reliable and durable



2U Rackmount Casing



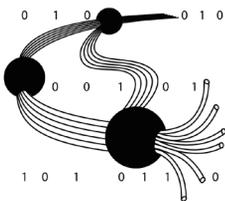
1550nm - CW

## Description

Amonics' Raman Amplifier is a high power pump laser source for distributed optical amplification of optical signals in the C or C+L band.

The Raman Amplifier features 2 or 4 pumping wavelengths for gain flattened amplification. It is a ready-to-use optical amplifier equipped with a broadband pump & signal combiner and individual power monitoring for each channel. The Raman Amplifier is available in both benchtop and rackmount casings, as well as customized modules.

## Application



- SONET/SDH Systems
- Optical Communications
- CATV



- Fiber Optic Sensing



- Laboratory



ISO 9001 : 2015  
Certificate No.: CC 5346

Our product is manufactured under a HKQAA ISO 9001 certified quality management system. The ISO 9001:2015 certification applies to the Hong Kong production site only.

## Specifications

Model	ARA-CL-800	ARA-CL-1200
Operating Wavelength	1528 nm to 1605 nm	1526 nm to 1610 nm
Optical Gain	Min. 10 dB	Min. 15 dB , Typ. 16 dB
Gain Flatness	Max. 2 dB	Max. 2.5 dB
Total Pump Power	Min. 700 mW, Typ. 800 mW	Min. 1000 mW, Typ. 1200 mW
Effective Noise Figure	Typ. -1.0 dB, Max. -0.5 dB	Typ. -1.0 dB, Max. -0.5 dB
Signal Insertion Loss	Typ. 0.7 dB, Max. 1.5 dB	Typ. 0.7 dB, Max. 1.5 dB
Degree of Polarization	Typ. 5 %, Max. 10 %	Typ. 5 %, Max. 10 %
Control Mode	ACC	ACC

\* Other output power models available upon request

\* Tested with 80 km of SMF-28 fiber

## General Parameters

	Value
Operation Temperature	0 to 40 °C
Storage Temperature	-10 to 70 °C
Power Supply	90 – 240 VAC, 47 – 63Hz
2U Rackmount Dimensions	485(W) x 515(D) x 90(H) mm (Standard) or 485(W) x 360(D) x 90(H) mm (High Gain Wide Band)
Mechanical Safety Control	Key-lock switch, BNC interlock key
Optical Power Monitoring	Output power, Total pump power
Remote Control Port	DB-9 female (RS232), Control software included, RJ-45 (TCP/IP Ethernet) (optional)
Protection	Pump laser (TEC) overheat
Optical Connector	FC/APC, FC/UPC, SC/APC, SC/UPC
Optical Fiber	SMF-28

## Ordering Information

Product Code	ARA-CL-aaa-R-bb	aaa: Pump power, 500 for 500mW, 800 for 800mW bb : FA for FC/APC, FC for FC/UPC, SA for SC/APC, SC for SC/UPC
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Amonics undertakes continuous and intensive product development to ensure its product performance at the highest technical standards. As a result, the specifications in this document are subject to change without notice.

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