

Key Features

- Wide range of wavelength selection
- Up to 10W output power
- Turnkey operation
- Maintenance free
- Linear or random polarization
- Highly reliable and durable
- Optical feedback protection (Optional)
- Back reflection monitoring (Optional)

Benchtop Casing



2U Rackmount Casing



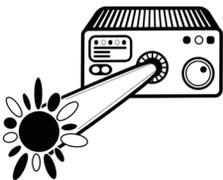
Others

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



- Micro-machining
- Marking
- Scribing



- Fiber Optic Sensing



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
Operating Wavelength	1400 nm to 1500 nm
Total Pump Power	Typ. 300 mW - 1200 mW
Signal Insertion Loss	Typ. 0.7 dB
Control Mode	ACC

General Parameters

	Value
Operation Temperature	0 to 40 °C
Storage Temperature	-10 to 70 °C
Power Supply	90 – 240 VAC, 47 – 63Hz
Benchtop Dimensions	260(W) x 330(D) x 120(H) mm
2U Rackmount Dimensions	485(W) x 515(D) x 90(H) mm
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-aaaa-bbb-c-dd	aaaa : Pump wavelength in nm, 1455 for 1455nm pump lasers bbb : Pump power in mW, 500 for 500mW, 800 for 800mW c : M for Module, B for Benchtop, R for Rackmount dd. : 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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