

Key Features

- Wide range of wavelength selection
- Up to 1W output power
- Turnkey operation
- Maintenance free
- Linear or random polarization
- Highly reliable and durable

2U Rackmount Casing



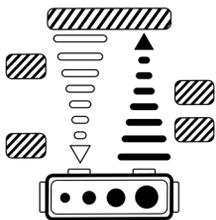
Others

Description

Amonics' Raman Fiber Amplifier (ARFA) is a compact standalone turnkey equipment to deliver up to 1W output power in 1110nm to 1650nm range. Based on proprietary all fiber design, Amonics fiber laser is maintenance free. No post-installation service is required.

Since the ARFA uses cascaded Raman fiber lasers as pump source, it can provide high power amplification at different wavelength range. ARFA is the ideal candidate for a wide range of industrial application.

Application



■ Fiber Optics 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	ARFA
Operating Center Wavelength	1110 nm – 1650 nm
Operating Bandwidth	Typ. 30nm
Average Output Power	100 mW to 1 W
Laser Linewidth	Typ. 0.2 nm to 2.5 nm
Side Mode Suppression Ratio	Typ. 30 dB
Input / Output Isolation	Typ. 25 dB
Polarization	Linear or random
Output Power Tunability	10 % to 100 %
Control Mode	ACC

Customization wavelength or other output power level is available
Please contact us on the required specifications

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 or 485(W) x 360(D) x 90(H) mm
3U Rackmount Dimensions	485(W) x 615(D) x 150(H) mm
Control	Keylock switch, Optical output power
Optical Power Monitoring	Output power, Input power
Remote Control Port	RS232, TCP/IP Ethernet (optional)
Protection	Pump laser (TEC) overheat
Input/Output Termination	FC/APC, FC/UPC, SC/APC, SC/UPC, Collimator, Bare fiber

Ordering Information

Product Code	ARFA-aa-bbbb-cc-R-dd	aa : Default (or unspecified) for single mode, PM for polarization maintaining bbbb : Wavelength in nm cc : Output power in dBm dd : FA for FC/APC, FC for FC/UPC, SA for SC/APC, SC for SC/UPC, CL for collimator, NC for bare fiber
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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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