

## Key Features

- Turnkey operation
- Wide wavelength selection range
- High output power up to 10W
- Linear or Random polarized output
- RS232 or TCP/IP computer interface
- Highly reliability
- No water cooling



2U Rackmount Casing



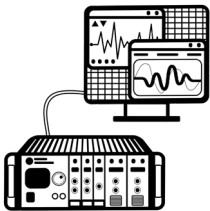
1550nm - CW

## Description

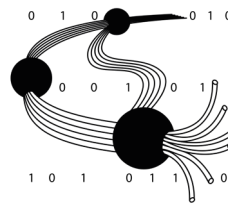
Amonics' high power Raman Fiber Laser is the perfect solution for applications with a high channel count and long spans, such as remote pump source for submarine transmission systems to deliver high power at a wavelength in the range between 1100nm and 1650nm.

It is also a very useful tool for testing and characterization of active and passive components in the wavelength range of 1100nm to 1650nm.

## Application



- Component Test & Characterization
- Optical Spectroscopy



- Pump Source



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	ARFL
Center Wavelength	1100 nm to 1650 nm
Mode of Operation	CW
Average Output Power	1 W, 2 W, 3W, 5 W, 10 W
Laser Linewidth	Typ. 0.2 to 2.0 nm
In-Band Power	Typ. 95 %
Output Isolation	Typ. 25 dB (Option)
Polarization	Linear or random
Beam Quality M <sup>2</sup>	Typ. 1.1, Max. 1.2
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 – 63 Hz
2U Rackmount Dimensions	485(W) x 515(D) x 150(H) mm or 485(W) x 360(D) x 150(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, Seed power
Remote Control Port	RS232, TCP/IP ethernet (optional)
Protection	Pump laser (TEC) overheat
Optical Port	Main output, Output tap
Output Termination	FC/APC, FC/UPC, SC/APC, SC/UPC, Collimator, Bare fiber

## Ordering Information

Product Code	ARFL-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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