

Key Features

- Up to 30W output power
- Turnkey device
- Maintenance free
- Linear or random polarization
- Highly reliable and durable
- Narrow linewidth operation (Optional)
- Optical feedback protection (Optional)
- Back reflection monitoring (Optional)



2U Rackmount Casing



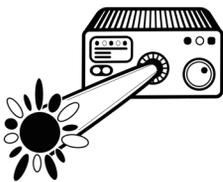
1550nm - CW

Description

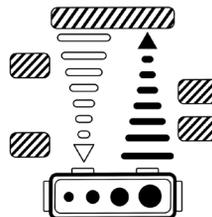
Amonics' Fiber Laser (AFL) is a compact standalone turnkey equipment to deliver up to 30W output power in 1550nm range under CW operation. Based on proprietary all fiber design, Amonics fiber laser is maintenance free. No post-installation service is required.

Since the AFL adopts master oscillator power amplifier (MOPA) design, it can provide high power output with different linewidth levels. AFL is the ideal candidate for a wide range of industrial application.

Application



- Micro-machining
- Marking
- Scribing



- 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	AFL
Mode of Operation	CW
Average Output Power	1 W, 5 W, 10 W, 20 W, 30 W
Wavelength	1550 nm range
Laser Linewidth	10 MHz to 100 GHz
Polarization	Linear or random
Polarization Extinction Ratio (PM Version)	Typ. 23 dB, Min. 20 dB

General Parameters

	Value
Operation Temperature	0 to 40 °C
Storage Temperature	-10 to 70 °C
Power Supply	90 – 240 VAC, 47 – 63 Hz
Benchtop Dimensions	260(W) x 330(D) x 120(H) mm [Output power <5W]
2U Rackmount Dimensions	485(W) x 515(D) x 90(H) mm or 485(W) x 360(D) x 90(H) mm [Output power >5W]
3U Rackmount Dimensions	485(W) x 615(D) x 150(H) mm [Output power >5W]
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, Seed laser, Output tap
Output Termination	Collimator, Bare fiber

Ordering Information

Product Code	AFL-aaaa-bb-c-dd AFL-PM-aaaa-bb-c-dd	aaaa : Wavelength in nm bb : Output power in dBm c : B for Benchtop, R for 19 inch Rackmount dd : 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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