

Key Features

- Output power up to 23 dBm
- High gain
- Compact design
- Maintenance free
- Highly reliable and durable

Raman Fiber Amplifier
Module Casing



Others

Description

Amonics' 1650nm Raman Fiber Amplifier Module is a compact standalone amplifier module that deliver up to 23 dBm output power at 1650nm. Based on proprietary all fiber design, Amonics fiber amplifier is maintenance free. No post-installation service is required.

Since the Raman Fiber Amplifier uses cascaded Raman fiber lasers as pump source, it can provide high power amplification at different wavelength range. By cooperating with a suitable seed laser source, Amonics' 1650nm Raman Fiber Amplifier Module is an ideal candidate for methane trace gases sensing.

Application



- Methane Gas Sensing
- Environmental Monitoring



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-1650-23-M
Operating Center Wavelength	1650 ± 5 nm
Average Output Power	Min. 23 dBm
Input / Output Isolation	Typ. 30 dB
Polarization	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	12 ± 0.25 VDC
Dimensions	200(W) x 200(D) x 65(H) mm [without heatsink]; 200(W) x 200(D) x 120(H) mm [with heatsink]
Net Weight	1.72 kg [without heatsink]; 3.90 kg [with heatsink]
Control	Pump laser current
Optical Power Monitoring	Output power, Input power
Remote Control Port	RS232
Protection	Pump laser (TEC) overheat
Optical Connector	FC/APC, FC/UPC, SC/APC, SC/UPC
Optical Fiber	SMF-28

Ordering Information

Product Code	ARA-1650-aa-M-bb	aa : Output power in dBm 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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