

Key Features

- Standard MSA size
- High stability
- High gain
- Low noise figure



Module Casing

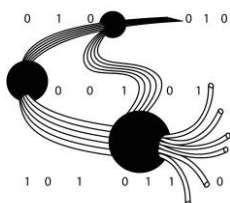
1550nm - CW

Description

Amonics now packages one of its most popular product lines, C-band DWDM Erbium-doped Fiber Amplifiers (EDFAs), into standard MSA size. The same reliable, stable and durable EDFAs are thus readily available for system integration of a wider range of applications.

The devices provides the usual alarms and status indicators, with an integrated RS232 computer interface for easy control, diagnostic functions and data acquisition. This MSA series will be expanded to cover EDFAs of different specifications in our product range in order to meet the growing demands.

Application



- SONET/SDH Systems
- Optical Communications



- Fiber Optic Sensing



- DWDM application



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	AEDFA-C-DWDM-10-M	AEDFA-C-DWDM-14-M	AEDFA-C-DWDM-16-M
Saturation Output Power	+10 dBm	+14 dBm	+16 dBm
Wavelength Range	1529 nm to 1563 nm	1529 nm to 1563 nm	1529 nm to 1563 nm
Gain	18 dB, 13 dB, 9 dB	22 dB, 17 dB, 13 dB	24 dB, 19 dB, 15 dB
Input Power	-8 dBm, -3 dBm, +1 dBm	-8 dBm, -3 dBm, +1 dBm	-8 dBm, -3 dBm, +1 dBm
Noise Figure	Typ. 5.0 dB	Typ. 5.3 dB	Typ. 5.5 dB
Gain flatness (peak to peak)	Typ. 1.0 dB, Max. 2.0 dB	Typ. 1.0 dB, Max. 2.0 dB	Typ. 1.0 dB, Max. 2.0 dB
Input/Output Isolation	Min. 30 dB	Min. 30 dB	Min. 30 dB
Polarization Dependent Gain	Typ. 0.3 dB, Max. 0.5 dB	Typ. 0.3 dB, Max. 0.5 dB	Typ. 0.3 dB, Max. 0.5 dB
Control Mode	ACC, APC, AGC	ACC, APC, AGC	ACC, APC, AGC

Other output power models available upon request

- Option: 1) Gain Flattening Filtering
2) APC or AGC Control Mode
3) Output Power Monitoring

General Parameters

	Value
Operation Temperature	0 to 40 °C
Storage Temperature	-10 to 70 °C
Power Supply	5.0 ± 0.1 VDC
Dimensions	70(W) x 90(D) x 15(H) mm
Optical Power Monitoring	Input power, Output power
Electrical Connection	2.00 mm (2x15) 30 pin IDC connector
Protection	Pump laser (TEC) overheat
Optical Connector	FC/APC, FC/UPC, SC/APC, SC/UPC
Optical Fiber	Min. 0.5m long SMF-28

Ordering Information

Product Code	AEDFA-C-DWDM-aa-M-bb	aa: Saturated output power in dBm M : M for MSA module case 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.

Amonics Limited (Hong Kong)

14/F, Lee King Industrial Building, 12 Ng Fong Street,
San Po Kong, Kowloon, Hong Kong
Tel :+852 2428 9723, Fax :+852 2428 9704

Beijing Amonics Co. Ltd. (Beijing)

Room 902, Unit 1 Joy Mansion, NO.99 Chaoyang North Road, Beijing China 100123

Tel :+86 10 8478 3386, Fax :+86 10 8478 3396

Email: contact@amonics.com Website: www.amonics.com

