



# monics

## AMONICS LTD.



ISO 9001 : 2008  
Certificate No.: CC 5346

C-Band MSA Module DWDM EDFA

### Applications

- DWDM Applications
- SONET/SDH Systems
- Optical Communications
- Fiber Optic Sensing



### Description

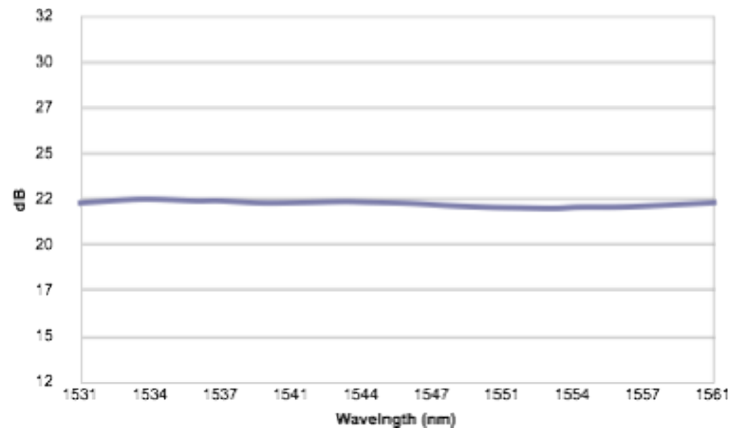
Amonics now packages one of its most popular product lines, C-band DWDM Erbium-doped Fiber Amplifiers (EDFAs), into standard MSA size. The same reliable, stable and durable EDFAs are thus readily available for system integration of a wider range of applications.

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.

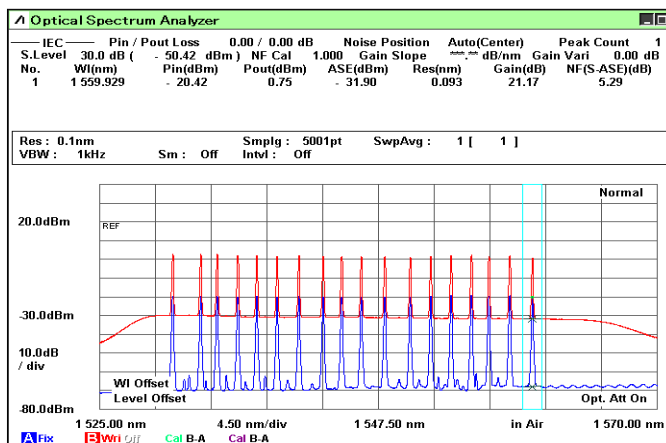
### Key Features

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

14dBm Output Power MSA- Flatness



14dBm Output Power MSA- Gain



The product is manufactured under a HKQAA ISO 9001 certified quality management system  
The ISO 9001:2008 certification applies to the Hong Kong production site only

### Specifications

	AEDFA-DWDM-M								
Saturation Output Power	+10dBm			+14dBm			+16dBm		
Wavelength Range	1530.33 - 1560.61nm								
Gain (dB)	18	13	9	22	17	13	24	19	15
Input Power (dBm)	-8	-3	+1	-8	-3	+1	-8	-3	+1
Noise Figure (Typ.)	5.0dB			5.3dB			5.5dB		
Gain flatness (peak to peak)	Typ. 1.0dB, Max. 2.0dB								
Input Isolation	> 30dB								
Output Isolation	> 30dB								
Polarization Dependent Gain	Typ. 0.3dB, Max. 0.5dB								
Control Mode	ACC, APC, AGC								

\* Other output power models are available upon request

### General Parameters

Parameters	Unit	Specifications
Operation Temperature	°C	0 to +40
Storage Temperature	°C	-10 to +70
Power Supply	VDC	5.0 ± 0.1
Dimensions	mm	70(W) x 90(D) x 15(H)
Optical Power Monitoring	-	Input and output power
Electrical Connection	-	2.00mm (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

### Other Option

- Gain flattening filtering



### Ordering Information

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