

Key Features

- Patented design
- Low noise figure
- Transient suppressed
- Small foot print
- Small pattern effect @ Gbps
- High gain

Benchtop Casing



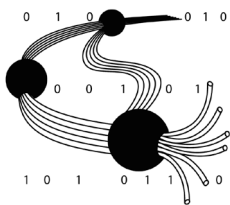
1550nm - CW

Description

Co-developed by Amonics & NICT (National Institute of Information and Communications technology, Japan), this EDFA adopts the patented break-through design for transient suppression in Burst Mode Networks. It exhibits superior transient suppression performance and comes with high output power, high gain, low noise and low gain excursion. It is particularly suitable for applications in Optical Packet Switching and DWDM systems with fast dynamic add/drop.

The turnkey microprocessor controlled benchtop EDFA provide illustrative alarms and status indicators. An integrated RS232 computer interface enables easy control, diagnostic functions and data acquisition.

Application



- FTTH
- Optical Packet Switching Systems
- Burst Mode Networks



- 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-PKT-DWDM-15-B
Input Power	-16 dBm to -3 dBm
Output Power * (@ -3 dBm input signal)	Min. +15 dBm
Noise Figure (@ -3dBm input signal)	Typ. 5.0 dB, Max. 5.5 dB
Operating Wavelength	1537.37 nm to 1561.62 nm
Gain Flatness	Typ. ± 0.1 dB/ms, Max. ± 1.2 dB
Optical Gain (@ -3 dBm Input signal)	Min. 18 dB
Gain Excursion	Typ. ± 0.1 dB/ms, Max. ± 0.2 dB/ms
Input and Output Isolation	Min. 30 dB
Polarization Dependent Gain	Typ. 0.3 dB, Max. 0.5 dB
Control Mode	ACC, APC, AGC (optional)

* Other output power models available upon request

General Parameters

	Value
Operation Temperature	0 to 40 °C
Storage Temperature	-10 to 70 °C
Power Supply	90 – 240 VAC, 47 – 63 Hz
Dimensions	260(W) x 330(D) x 120(H) mm
Mechanical Safety Control	Key-lock switch, BNC interlock key
Optical Power Monitoring	Output power, Input power (optional)
Remote Control Port	DB-9 female (RS232), Control software included, RJ-45 (TCP/IP Ethernet) (optional)
Protection	Pump laser (TEC) overheat
Optical Connector	FC/APC, FC/UPC, SC/APC, SC/UPC
Optical Fiber	SMF-28

Ordering Information

Product Code	AEDFA-PKT-DWDM-aa-B-bb	aa : Saturation 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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