

EDFA Education Kit

Key Features

- No fusion splicer is required
- No other measurement equipment is necessary



Others

Description

Amonics' EDFA Education Kit is designed to attain the learning outcomes of acquiring simple theoretical understanding and hand-on experience in building erbium-doped fiber amplifier, as well as measuring optical gain, noise figure and optimizing Erbium-doped fiber length, with minimum fuss.

Experiment procedures and manuals can be easily adopted in relevant course materials at tertiary level. Full set of accessories comes with the educational kit for all testing and measurement purposes. All fiber connections are made effortlessly through the given connectors and no fusion splicing is required.

Application



- Building a fully functional, practical EDFA
- Performing optical communication measurements
- Performing optical component measurements



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.

All necessary components for building your own EDFA, including:

Model	ARFA
Benchtop I	980 nm pump laser
Benchtop II	C-band DFB laser (with integrated attenuator and wavelength turning), and integrated taper photodetector
Module I	High efficiency erbium-doped fiber module
Module II	Inline polarization independent optical isolators x 2 pcs
Module III	980/1550 nm wavelength division multiplexer
Module IV	Optical filter
Patchcord	Single mode fiber jumper with FC connector
Adaptors	FC type alignment sleeves x 6 pcs
Manual	User manual with educational material and experiment setups

Benchtop Parameters

	Value
Operation Temperature	0 to +40 °C
Storage Temperature	-10 to +70 °C
Power Supply	90 – 240 VAC, 47 – 63Hz
Dimensions	260(W) x 330(D) x 120(H) mm
Mechanical Safety Control	Key-lock switch, BNC interlock key
Protection	Pump laser or DFB (TEC) overheat
Optical Connector	FC/APC, FC/UPC, SC/APC, SC/UPC
Optical Fiber	Single Mode Fiber

Ordering Information

Product Code	EDFA Education Kit
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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



JAPAN
DEVICE

日本デバイス株式会社

www.j-device.com

E-mail sales@j-device.com

Tel 03-6262-3424 Fax 03-6800-5883