



Opto-Link
Corporation Ltd

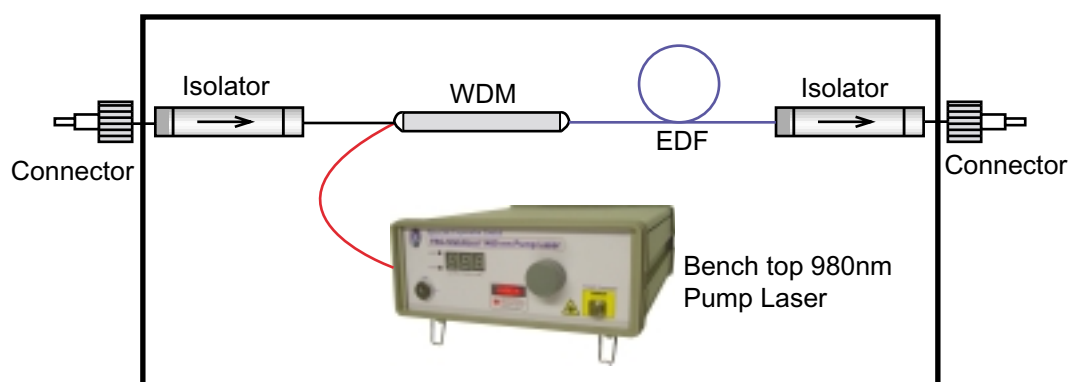
Erbium-Doped Fiber Amplifier Educational Kits (EDFA Edu-Kits™)

EDFA Edu-Kits™ are designed to expedite the development of the necessary hands on practical skills and to experimentally demonstrate basic principles of EDFA.

The objectives of the EDFA Edu-Kits™ are:

- to learn the operation principle of EDFA
- to introduce the components of EDFA - pump laser, wavelength division multiplexers, Erbium-doped fiber and optical isolators
- to construct a fully functional Erbium-doped fiber amplifier
- to experimentally assess the performance of the EDFA in terms of noise figure, gain and saturation output power

Typical Configuration of EDFA



Note: No expensive fusion splicing equipment is required

Equipment / Components for EDFA Edu-Kits:

- 1 Benchtop Unit Containing a FBG-Stabilized 980nm Pump Laser, a 1550nm DFB laser, a Receiver and a Variable Optical Attenuator
- 2 Optical Isolators
- 1 Erbium-Doped Fiber Module
- 1 Optical Bandpass Filter Module
- 1 Wavelength Division Multiplexer
- 6 Adaptors
- 1 Instruction Manual for Benchtop Unit
- 1 Teaching Manual for EDFA Experiment

