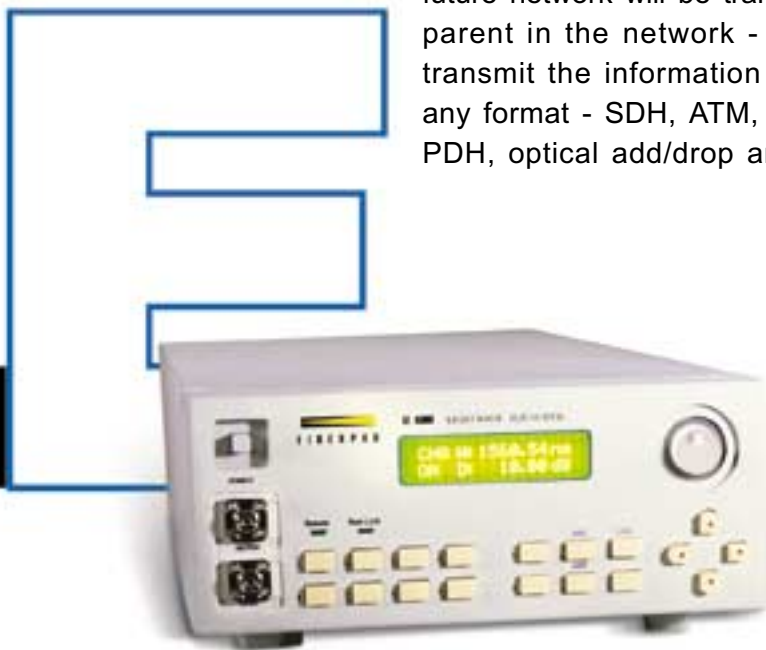


Coming soon! **Lightwave Equalizer** **LE4000**

LE4000 is the enabling solution that can dynamically control the gain of EDFA. The essential function of future network will be transparent in the network - to transmit the information in any format - SDH, ATM, or PDH, optical add/drop and

cross connect. When these functions are deployed to the network, the gain should be under control to perform the required function. LE is the perfect solution for the dynamic gain control.

LE4000 is an easy tool that can develop filters or amplifiers that expand the bandwidth by several times that of current commercially available optical amplifiers. It is also a convenient tool for the system vendors to test their system.



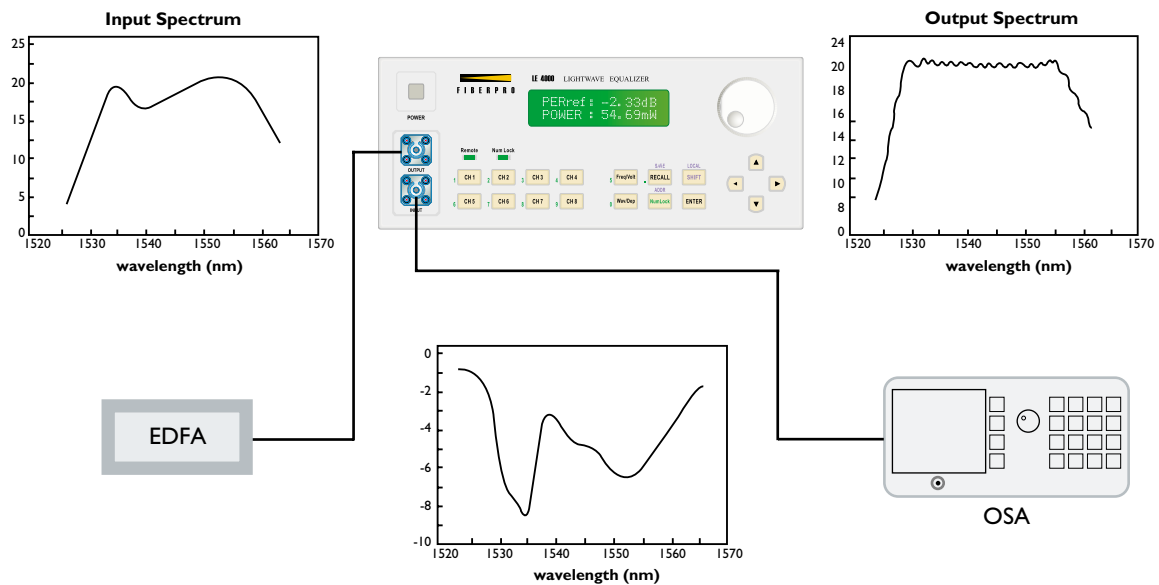
Features

- All fiber configuration
- Low cross talk between channels
- Low insertion loss
- Low PDL
- Low back reflection
- Continuous spectral response
- Ability to produce a range of spectral profiles, with smooth transition between these profiles
- No degradation in signal quality
- GPIB & RS232 Remote Interface

Applications

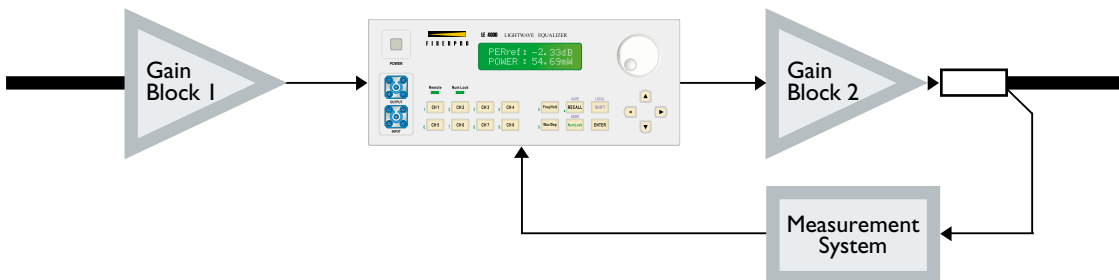
FIBERPRO's unique and innovative technology offers you the all-fiber notch filter with variable spectral profile, suitable for dynamic gain flattening or passive filter design for your EDFA.

[Figure 1]



Typical application diagram

[Figure 2]



Specification

Tunable Notch Filters	8 ea (FWHM line width : 4 nm)
Wavelength Range	1530 ~ 1562 nm (C Band), 1572 ~ 1604 nm (L Band)
Dynamic Range (Attenuation range)	0 ~ 10 dB
Minimum Attenuation Step	< 0.1 dB
Insertion Loss	< 3.0 dB
Polarization Dependent Loss	0.15 dB at 0 dB attenuation
	0.25 dB at maximum attenuation
PMD	< 0.2 ps
Chromatic Dispersion	< 5 ps / nm
Optical back return Loss	> 40 dB
Maximum Optical input Power	23 dBm
Power Requirements	85 ~ 265 V
	47 ~ 63 Hz
Power Consumption	55 W at maximum attenuation
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 70°C
Dimensions (W × H × D)	212 × 86 × 420 mm
Interface	GPIB / RS232
Optical connectors	Customer specified

The specifications and technical information contained herein are subject to change without notice and are furnished without charge or obligation. They are given and accepted at recipients sole risks.

Ordering Code

LE4000-8-(1)-(2)

1. wavelength range → 1530 ~ 1562 (C), 1572 ~ 1604 (L)
2. connector type → FC/SPC (F/P), FC/APC (F/A),