

# Get FIBOTEC Solutions



*Fibolux*

## Features:

- one or multiple diodes
- high current driver
- high speed
- custom package
- fiber array optional

*Fibotype*

## Fiberoptical Broadband Sources

We offer:

- customized spectral shaping (C-/L-band)
- output power on demand (standard products up to 18 dBm)
- extremely high power stability (3 mdBm)
- customized packaging like module option, multiconnector output etc.

Applications:

Fiberoptical Test & Measurement, OCT & other White Light Interferometers

## Laserdiode Modules



**Applications:**

- printing
- materials processing
- sensing

4 fiber-coupled broadstripe separately addressed laserdiodes (1W @ 830 nm out of 100 μm/NA 0.14)

## EDFA

Fibotec provides you with both economical modules and table top instruments.

We concentrate on low and medium output power for

- the metro-market
- customized EDFA-products

Features:

- single pump or double pump EDFA in 150x100x17 qmm package
- AGC-option
- RS-232 option
- economic 13 dBm Version

*Fibogain*

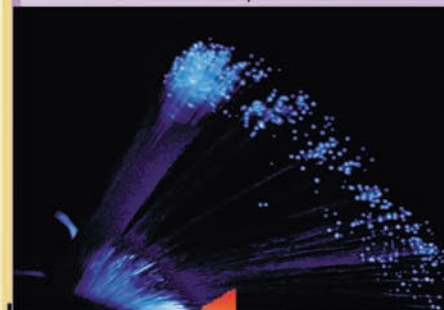


Get benefit from

## Fiberoptical OEM-products

Solutions in fiberoptics:

- design & layout of FO modules
- fabrication of FO components & modules
- test of FO components & modules



Solutions in mechanics:

- design & layout of module packages (non-hermetic)
- assembly of fiberoptics and electronics

Solutions in control and driver electronics:

- design & layout of analog and digital electronics
- fabrication of PCB
- inspection/test of PCB

Also available: Multistage-amplification systems with cladding-pumped booster stage that results in multi-Watt quasi-cw and pulsed output.



...or just outsourcing



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### Typical specifications:

*Fibotype*

- F 1-8 laserdiodes/drive unit
- F 0.5 W - 2.5 W/laserdiode
- F 810 nm, 830 nm, 920 nm, 980 nm
- F 60  $\mu$ m - 100  $\mu$ m core fiber
- F NA 0.12 - 0.22
- F 20 ns - 100 ns rise time (TTL/CMOS)
- F Analog power control
- F 40 ccm/channel

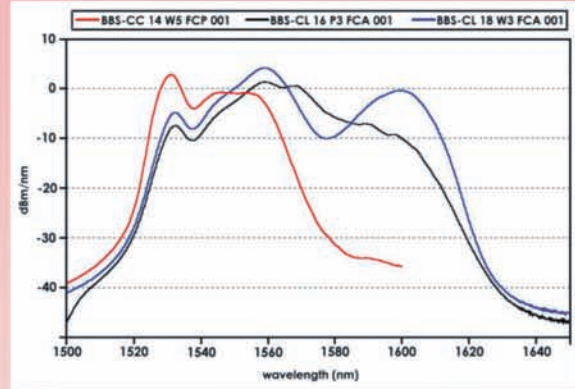


Fiber array option:  
Placing fiber ends  
with tight tolerance

### Typical specifications:

*Fibolux*

- F C-band and C+L-band
- F Standard products up to 18 dBm
- F -12 dBm/nm power density
- F  $\pm 2$  mdBm@15 min power stability



# FIBOTEC Partners in Fiberoptics

### Ressources\*:

- F Engineering capability in optics, electronics and packaging - CAD and other software design tools for fiberoptical modules
- F FO fab including Er splicing and PM splicing (rotation option)
- F FO testing
- F PCB manufacturing and test
- F Mechanical assembly line



### Typical specifications:

*Fibogain*

- F C-band and L-band
- F 14 dBm optical output
- F Small signal gain > 25 dBm
- F Noise figure 5 dB
- F 0.3 dB power stability (open loop)
- F 0.1 dB power stability (AGC)
- F 150 x 100 x 17 mm size
- F 0°C-65°C operating temperature

\* **contact us for details with your needs**

### Examples of FO OEM-products:

- DWDM & CWDM-components
- FO interferometers
- FO sensors (Bragg)
- customized standard products



**Partners in Fiberoptics means fast, flexible and economical solutions for many problems of our customers!**



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