Fiber Light Tuning Technology

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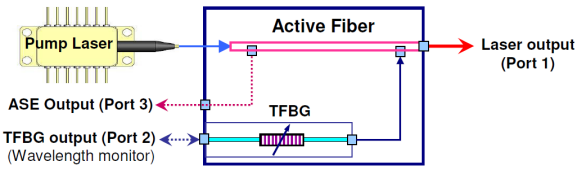
Tunable Fiber Laser:

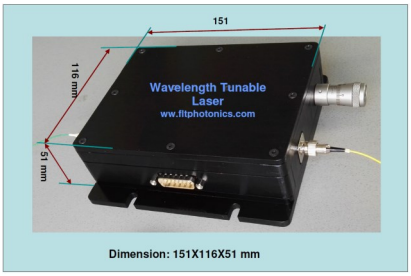
Innovative Tunable Fiber Grating Technology for Wavelength Tuning

Tunable lasers are based on our patented* innovative tunable fiber Bragg grating (FBG) technology.

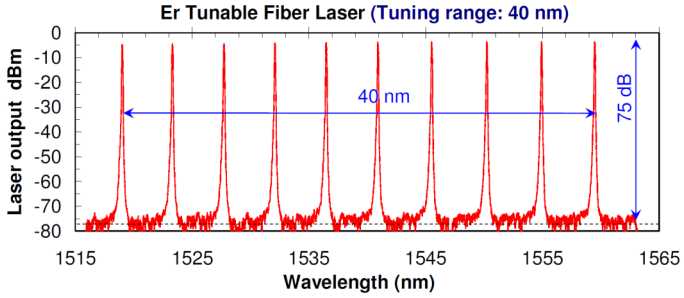
Tunable lasers have "all-fiber" connections inside and have low loss laser cavity, low noise, and high optical S/N ratio (>75dB). The laser system is compact and robust. With additional output/input terminals, the lasers can be also used as tunable FBG and ASE source.

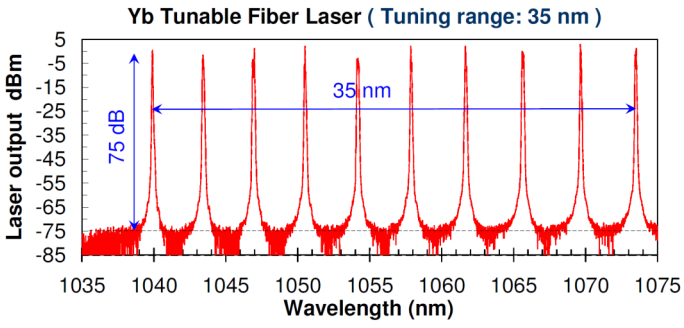
In a similar way, fiber pigtailed semiconductor lasers can be also configured using tunable FBGs for external cavity wavelength tuning

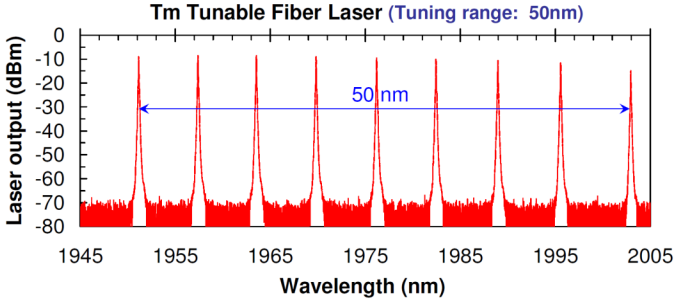




Examples of output spectra from tunable fiber lasers at different wavelength bands.
Tuning range: > *25 nm up to 50 nm*







Features:

- Tunable FBG as tuning element.
- All-fiber connections, compact and robust.
- Large tuning range.
- High optical S/N ratio, low noise.
- Tunable FBG, ASE source output ports.

*Patents:

US 7801403
China ZL 2008 1 0211470.7

Specifications:

Typical Tuning Range:
>25 nm up to 50 nm

- Dimension: 151X116X51mm

Contact us:

For your custom wavelength, please contact us:

info@fltphotonics.com