



Fibolux

Features:

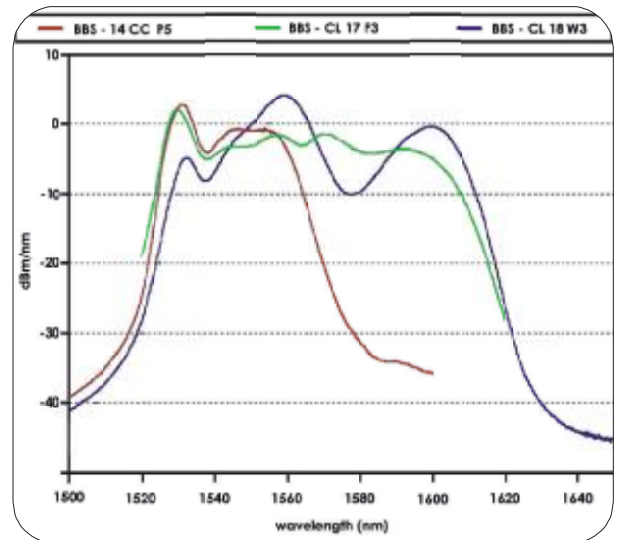
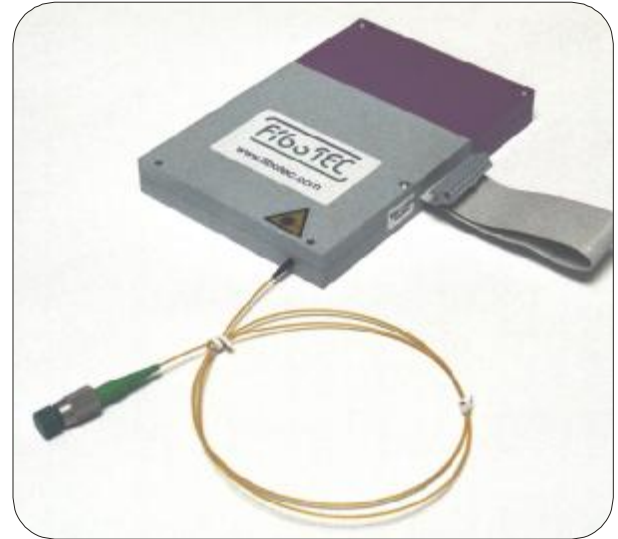
- extremely high power stability
- wavelength shaping
- additional 1060 nm versions

Fiberoptical Broadband Sources

Fiberoptical broadband sources make use of the Amplified Spontaneous Emission (ASE) within optically pumped rare earth doped fibers. The spectral width of such light sources ranges by design from a few nm to the entire emission wavelength range of the dopant (e.g. Erbium ions).

The optical power density of fiberoptical ASE-sources is typically higher than that of broadband fiber-coupled semiconductor based devices at an even lower noise level (RIN). This characteristic and the strong incoherence resulting from the absence of residual resonator effects make ASE-sources an ideal instrument in test and measurement applications.

C- and L-band sources are utilized for spectral characterization of optical components including the DWDM-market. Applications are also found in various White Light Interferometer based instruments.



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Specifications: Fiberoptical Broadband Sources

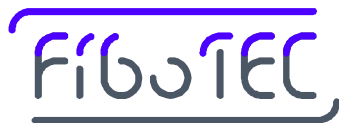
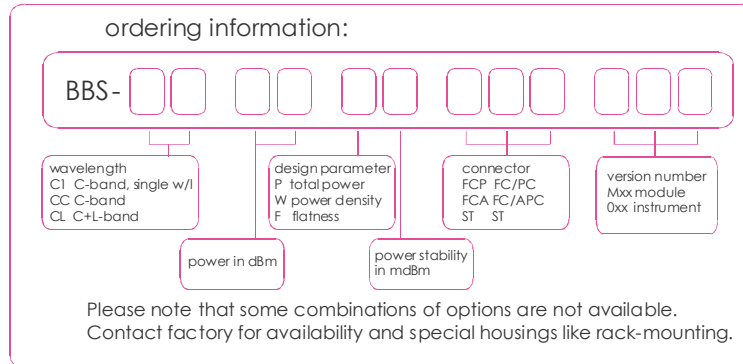
Parameter	BBS-CC 14 P5 FCP	BBS-CL 17 F3 FCA	BBS-CL 18 W3 FCA	unit
wavelength range	1525-1565	1528-1608	1528-1608	nm
Power	min. 14 / typ. 15	typ. 17	typ. 18	dbm
power density	min. -12	min. -12	min. -12	dBm/nm
power stability*	+/- 2.5	+/- 1.5	+/- 1.5	mdBm/15'
output isolation	> 30	> 40	> 40	dB
output connector	FC/PC	FC/APC	FC/APC	

* after warm-up

Options:

- A: other module and instrument packages available
- B: remote control (on request)
- C: version with Yb-doped fiber (1060 nm - region)
- D: high-power versions (specifications to be discussed)
- E: spectral shaping available

Please indicate requirements by selecting options from the table or filling in desired values that still need to be confirmed by the manufacturer.



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Specification:

- size: 145 x 100 x 17 cmm (module)
210 x 290 x 95 cmm (instrument)
- weight: < 500 g (instrument < 4 kg)
- supply: 3 A max. @5V DC (module)
< 40 W @ 100-240 V AC/50-60 Hz (instrument)
- working temperature: 0°C-40°C (non-condensing)
- storage temperature: -40°C-85°C
- complies with CE

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