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TECHNOLOGY GROUP

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Custom engineering
so your equipment works exactly as you specify.

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BLS(Broadband Light Source : C + L band)

The LiComm Broadband Light Source(BLS) series is an incoherent light source for single-mode component and sub-system characterization in C-band and L-band communication windows.
This is high output power which is ten thousand times stronger than a white light source and very wide operating wavelength range and stable. This makes it an ideal source for characterizing DWDM applications and passive components such as, fiber Bragg gratings, MUX/DEMUX, isolator, filters, coupler etc.. It significantly reduces to characterize DUTs measurement time and test equipment cost, and improves the quality and the performance of components.
The built-in-microprocessor provides it control and monitoring of BLS with GUI by RS232C.



Features

- High output power
- Stable spectral output power
- Wide wavelength range (C, L, C+L)
- Isolated output
- Communication by RS232C
- Easy operating and compact

Applications

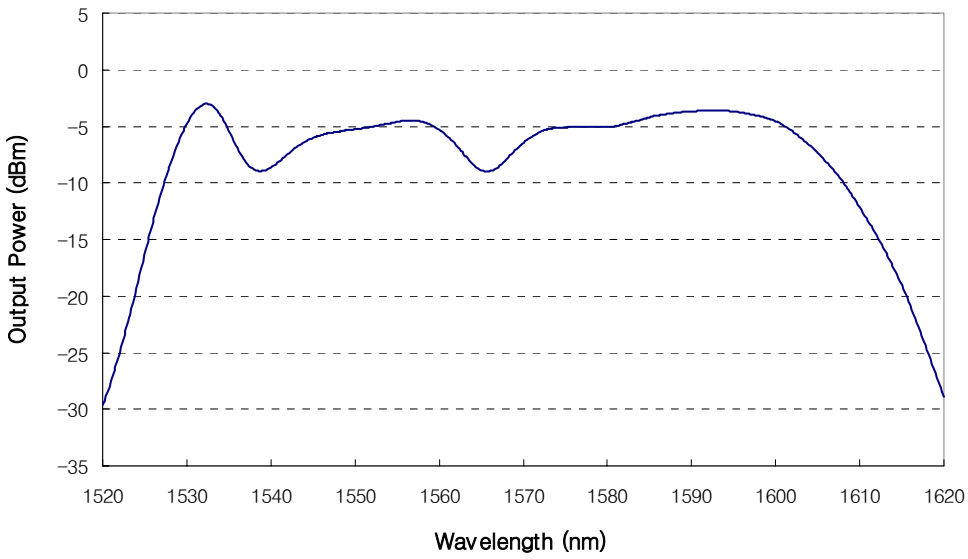
- DWDM components spectral test
- Optical components tests
- Optical fiber characterization
- System compliance tests
- Optical measurement system
- Optical sensors

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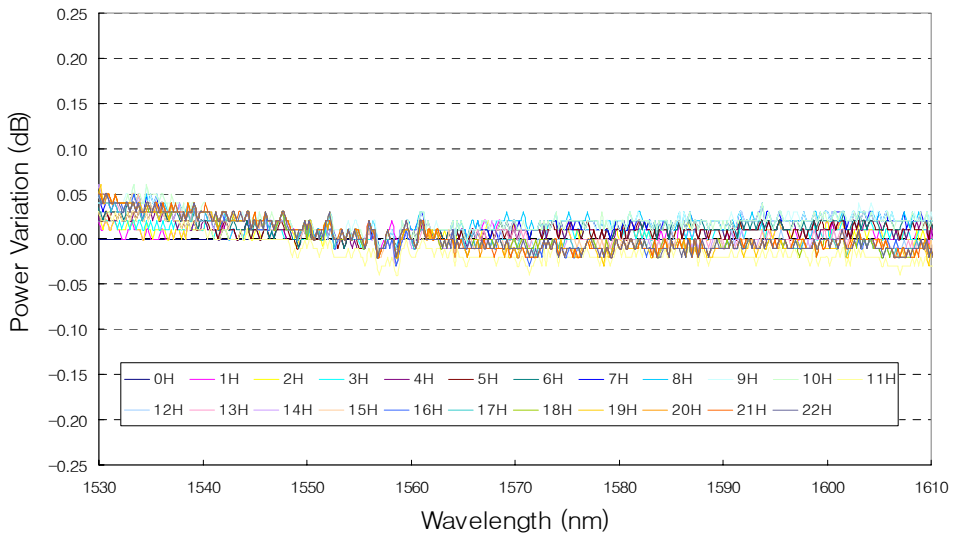
Specifications[BLS-F-A]

- Wavelength range > 80nm (@-10dBm/nm)
- Total output power > 13dBm
- Output power stability < 0.02dB (@ 23 ℃ ± 3 ℃, after 1hour worming up)
- Spectral power stability < 0.2dB (@ 23 ℃ ± 3 ℃, after 1hour worming up)
- Output isolation 35dB
- Power consumption 30W
- Operating temp. range 10 ~ 40°C

Characteristic of wavelength & power



Optical Output Power Stability

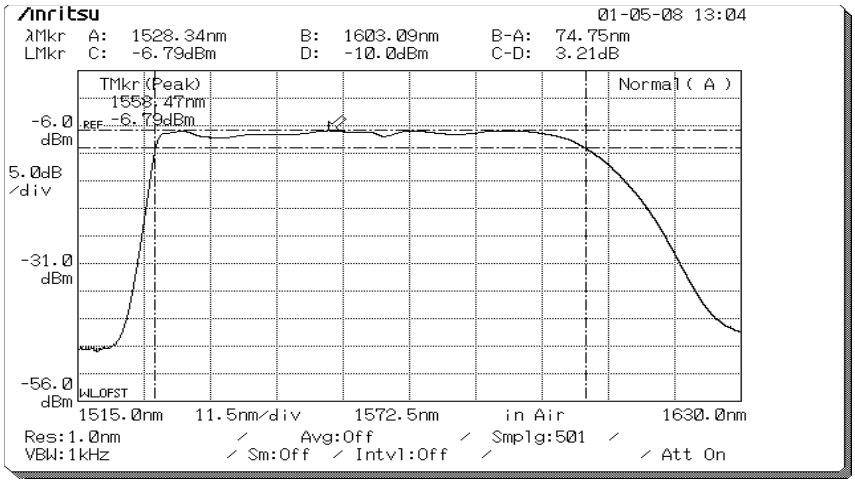


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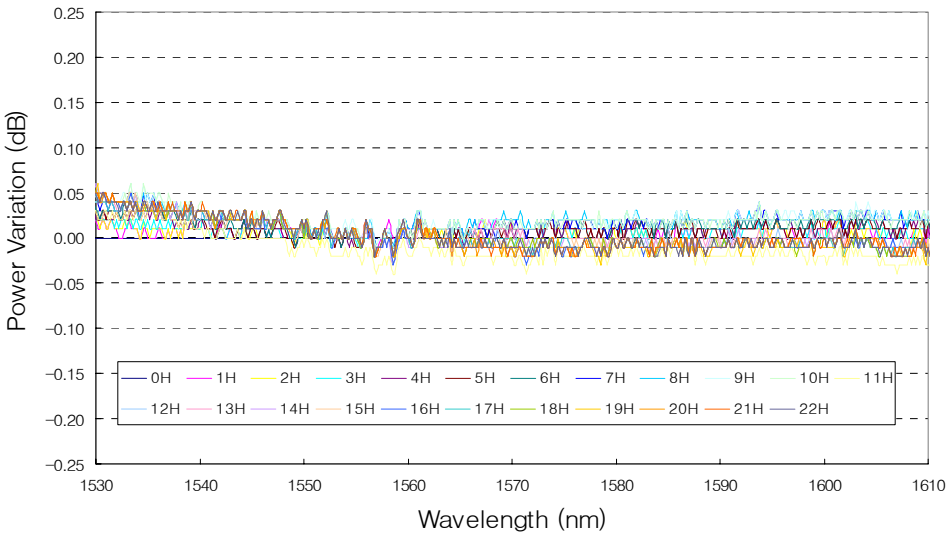
Specifications[BLS-F-B]

- Wavelength range > 75nm (@-10dBm/nm)
- Total output power > 12dBm
- Output power stability < 0.02dB (@ 23 ℃ ± 3 ℃, after 1hour worming up)
- Spectral power stability < 0.2dB (@ 23 ℃ ± 3 ℃, after 1hour worming up)
- Spectrum flatness <2.0dB
- Output isolation 35dB
- Power consumption 30W
- Operating temp. range 10 ~ 40°C

Characteristic of wavelength & power

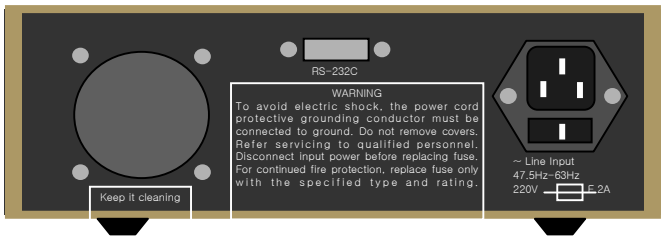


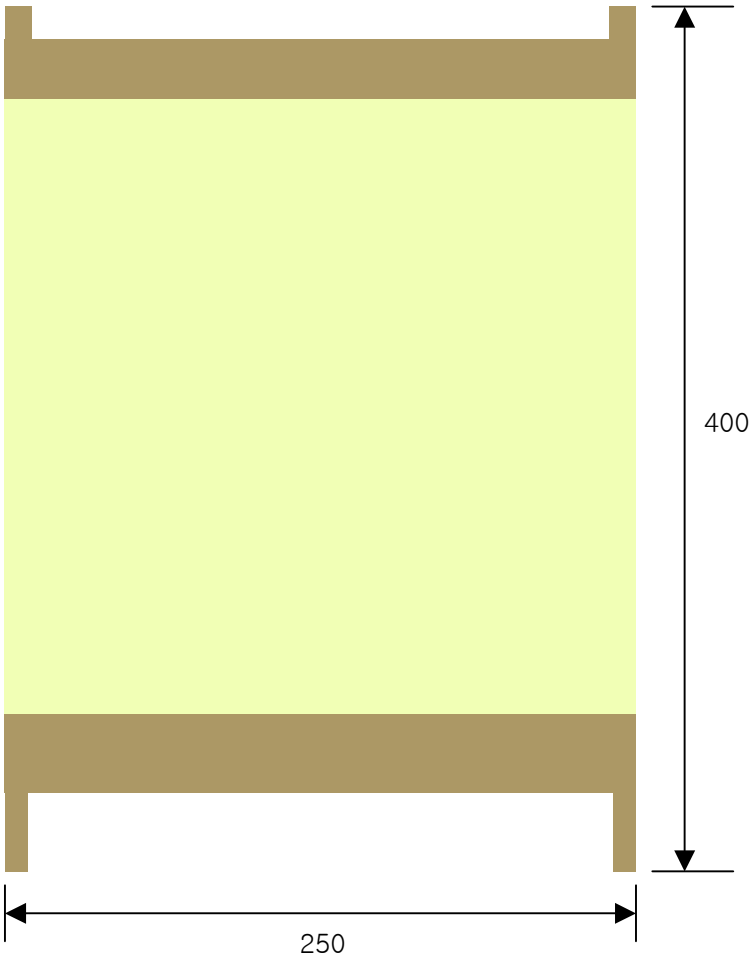
Optical Output Power Stability

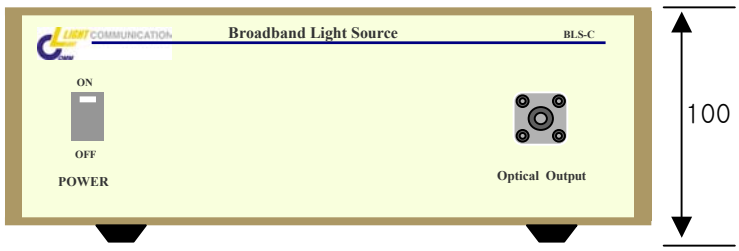


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Mechanical dimension







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