

Broadband Light Source

ASE Source Benchtop OFB-BCB Series

The LiComm OFB-BCB series are an incoherent light Source with flattened output spectrum for single-mode component test and subsystem characterization in C-band and L-band communication window. The BLS has high output power, which is ten thousand times stronger than a white light source, very wide wavelength range, and excellent stability. It is an ideal source to test the spectral characteristics of any DWDM applications passive components such as Fiber Bragg Gratings, MUX/DEMUX, isolator, filters, couplers etc. The OFB-BCB series offer the significant reducing of measurement time and cost and it can improve the component quality and performance. The GUI program and RS232 communication are available to control and monitor of the BLS status.

Features

- High output power up to 26 dBm
- Stable spectral output power
- Wide wavelength range (C, L & C+L band)
- Isolated output
- Communication by RS232
- Easy operating and compact
- Flattened output spectrum

Applications

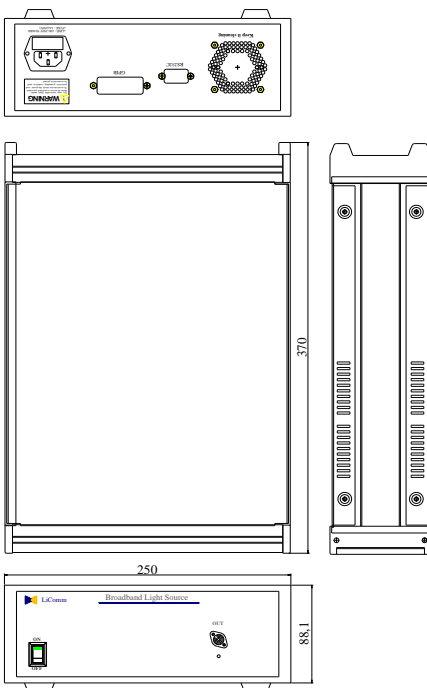
- DWDM components spectral test
- Optical components test
- Optical fiber characterization
- System compliance test
- Optical measurement system
- Optical sensors



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ASE Source Benchtop

Mechanical Dimension (250 X 370 X 88 mm)



Optical Characteristics

Parameter	Symbol	OFB-BCB-26AP	OFB-BLB-26AP	OFB-BFB-23AP	Unit
Wavelength Range	λ	1528 ~ 1603	1568~1605	1529~1605	nm
Total output power	P_{OUT}	26	26	23	dBm
Output power stability ⁽¹⁾	PS	0.02			dB
Spectral power stability ⁽²⁾	SS	0.2			dB
Spectrum flatness ⁽³⁾	SF	3.5	3	4	dB
Output isolation	ISO	30			dB

- (1) @23 °C ± 3 °C, after 1hour warming up
 (2) @23 °C ± 3 °C, after 1hour warming up
 (3) @Max. Total Output, Bandwidth : C-band=34 nm, L-band=27nm, F-band=71nm

Electric & Environmental Characteristics

Parameter	Typical Value
Power supply voltage	AC 110 ~ 220 V
Interface	RS232
Operating temperature	10 ~ 40 °C
Storage temperature	- 40 ~ 85 °C
Storage humidity	5 ~ 90 % R.H
Power consumption	25 W

*Output power = 12 dBm, at 25 °C

Ordering Information (Example: OFB-BFB-23AP, 23dBm output power C+L-band Flat Spectrum BLS with APC Control)

O	F	B	-	B	F	B	-	23AP
		BLS		B: with GFF A: w/o GFF	C: C-band L: L-band F: C+L-band	Benchtop		23AP: 23dBm Pout with APC

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