

Broadband Light Source (BLS-F-A)

The LiComm BLS-F-A series are an incoherent light source for single-mode component test and subsystem characterization in C-band and L-band communication windows.

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 BLS-F-A 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
- ▶ Stable spectral output power
- ▶ Wide wavelength range (C, L & C+L band)
- ▶ Isolated output
- ▶ Communication by RS232
- ▶ Easy operating and compact

Applications

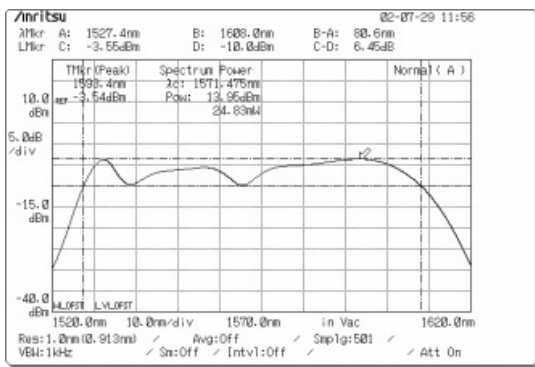
- ▶ DWDM components spectral test
- ▶ Optical components test
- ▶ Optical fiber characterization
- ▶ System compliance test
- ▶ Optical measurement system
- ▶ Optical sensors

Optical Characteristics

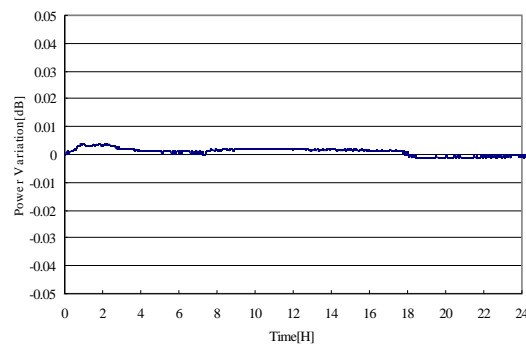
Parameter	Symbol	Min	Typ	Max	Unit
Wavelength range(@-10dBm/nm)	λ	1528	-	1603	nm
Total output power	P_{OUT}	-	13	-	dBm
Output power stability ¹⁾	PS	-	-	0.02	dB
Spectral power stability ²⁾	SS	-	-	0.1	dB
Output isolation	ISO	30	-	-	dB

Note 1) @23°C ± 3°C, after 1 hour warming up

2) @23°C ± 3°C, after 1 hour warming up



Output Power Spectrum



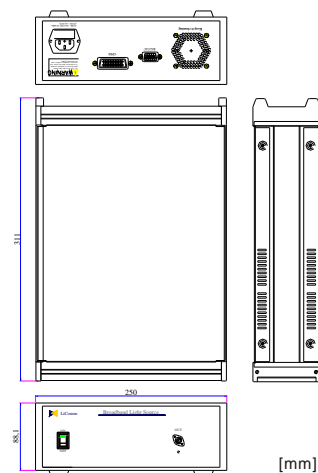
Total Output Power Stability

Electrical & Environmental

Parameter	Typical value
Power supply voltage	AC 110 ~ 220 V
Interface	RS232
Operating temperature	10 ~ 40°C
Storage temperature	-40 ~ 85°C
Storage humidity	0 ~ 95% R.H
Power consumption	15 W

*Output power = 13dBm (@25°C)

Mechanical Dimension



Ordering Information

BLS - F - PXX₁A

XX₁ : Output Power

LiComm Co., Ltd. www.licomm.com

Cheongmyung Towntel 3F

1021-4 Youngtong-Dong, Youngtong-Gu, Suwon-Si, Kyunggi-Do 442-813, South Korea

Tel. : +82-31-206-6823 Fax. : +82-31-206-6827