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Find the *VIAVI Solutions / JDSU mBBS-A1C100* at our website: ***Click HERE***

MAP Broadband Source
(mBBS-A1)



Key Features

- Flattened output power spectrum
- High output power density
- High spectral stability
- Control and monitoring features
- Can be automated when used with MAP-200
- LXI-compliant interfaces and IVI drivers

Applications

- Optical component spectral tests
- Systems compliance tests
- Optical measurement systems
- Sensor and imaging experiments

Safety Information

- The MAP Broadband Source, when installed in a MAP chassis, complies to CE, CSA/UL/IEC61010-1, LXI Class C requirements, meets the requirements of Class 3B in standard IEC 60825-1 (2002), and complies with 21 CFR 1040.1 except deviations per Laser Notice No. 50, July 2001.



The Multiple Application Platform (MAP) Broadband Source (mBBS-A1) is optimized for the industry-leading JDSU MAP-200 platform. Based on the previous-generation Multiple Application Platform (MAP), the MAP-200 is the first photonic layer lab and manufacturing platform that is LAN Extensions for Instrumentation (LXI)-compliant by conforming to the required physical attributes, Ethernet connectivity, and interchangeable virtual instrument (IVI) drivers. The MAP-200 platform is optimized for density and maximum configurability to meet specific application requirements in the smallest possible foot print.

Utilizing the latest advances in erbium technology, the MAP BBS offers an amplified spontaneous emission (ASE) output that features flattened high power density across the C-band. The source provides high spectral stability.

The addition of the BBS Cassette can be used for many applications including OSNR (optical signal to noise ratio) experiments, calibration of test equipment, and noise source for active or passive component testing.

The MAP BBS models provide specialized variants and optical performance not available in the Benchtop BBS. Additional BBS models are available in the Benchtop BBS product line for applications requiring higher output power.



Spectral Density Plot
C-band 50 mW

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Specifications

Parameter	C-Band 50 mW Output Power	C-Band 100 mW Output Power
Operating wavelength range	1527 to 1568 nm	1525 to 1568 nm
Total optical power (minimum)[1]	50 mW	100 mW
Spectral gain flatness (maximum)[2]	1.8 dB	1.8 dB
Total output power stability	0.02 dB	
Output isolation (minimum)	45 dB	
Operating temperature	0 to 50°C	
Storage temperature	–30 to 60°C	
Humidity	Maximum 95% RH non-condensing from 0 to 45°C	
Dimensions (W x H x D)	4.06 x 13.26 x 37.03 cm (1.6 x 5.22 x 14.58 in)	
Weight	2.3 kg (5.07 lb)	

[1] Measured at 1550 nm at 23°C after one hour warm up
[2] Flatness range 1529 to 1565 nm for C-Band model

Ordering Information

For more information on this or other products and their availability, please contact your local JDSU account manager or JDSU directly at 1-800-498-JDSU (5378) in North America and +800-5378-JDSU worldwide or via e-mail at customer.service@jdsu.com.

Product Code	Description
Base Options (Required, select one)	
MBBS-A1C050	C-Band Broadband Source, 50 mW output power
MBBS-A1C100	C-Band Broadband Source, 100 mW output power
Connector Options (Required, select one)	
MFP	FC/PC connector type
MFA	FC/APC connector type



If the configurations available do not meet your performance requirements, please contact your global sales and customer service team to discuss the potential for specialized solutions.

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