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FREECALL 1800 680 680

MAP Broadband Source



For stand-alone applications, the MAP Broadband Source may be used as a benchtop

Key Features

- Flattened output power spectrum
- High output power density
- High spectral stability
- Control and monitoring features

Applications

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

Safety Information

- This optical source cassette, when installed in the MAP chassis, complies to CE requirements plus UL3101-1 and CAN/CSA-C22.2 No.1010.1, 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.

INVISIBLE LASER RADIATION
 AVOID EXPOSURE TO BEAM
 CLASS 3B LASER PRODUCT
 (IEC 60825-1, 2002)
 MAX. 500 mw, 700-1680 nm

The Multiple Application Platform (MAP) Broadband Source (BBS) Cassette combines the optical performance of the JDSU BBS benchtop instruments with the flexibility and modularity of the MAP.

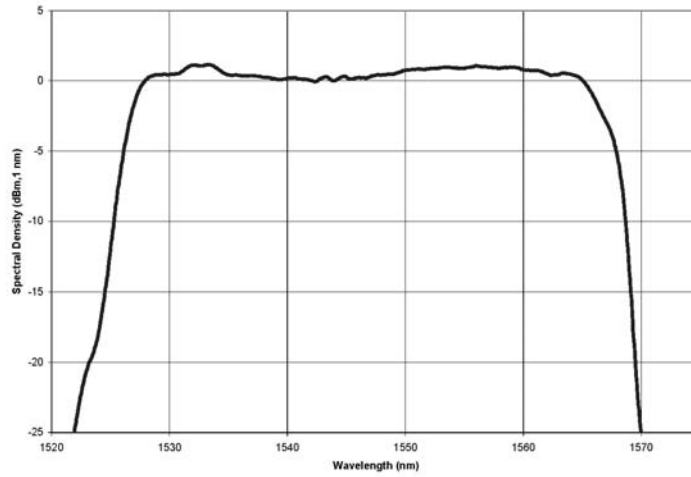
Utilizing the latest advances in erbium technology, the MAP BBS offers an amplified spontaneous emission (ASE) output that features flattened high power density across the C-band or C+L-band. The source provides high spectral stability.

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.

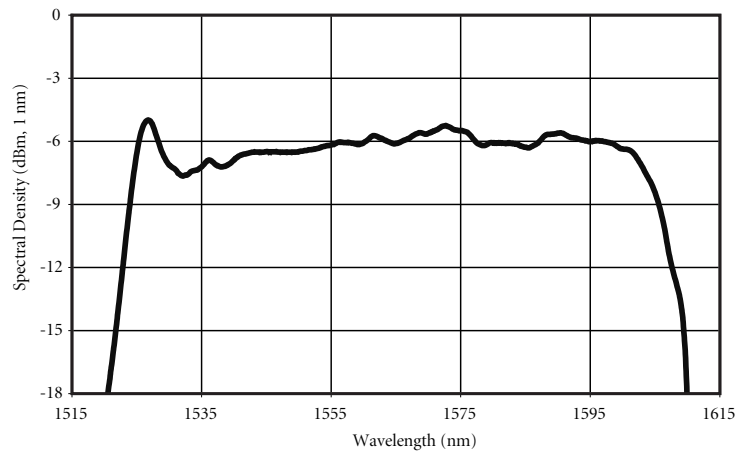
The MAP BBS models provide specialized variants and optical performance not available in the Benchtop BBS. Additional BBS models are available in the Benchtop BBS product line for applications requiring higher output power.

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Spectral Density Plot
MAPB+1E1550 C-band 50 mW



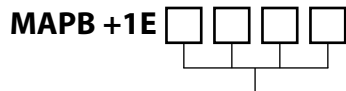
Spectral Density Plot
MAPB+1E1560 C+L-band 20 mW



Specifications

Parameter	1550 50 mW Output Power	1550 100 mW Output Power	1560 20 mW Output Power
Operating wavelength range	1527 to 1568 nm	1525 to 1568 nm	1525 to 1610 nm
Total optical power (minimum) ¹	50 mW	100 mW	20 mW
Spectral gain flatness (maximum) ²	1.6 dB	1.6 dB	2.5 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 13.24 x 39.5 cm	
Weight		2.3 kg	

1. Measured at 1550 nm at 23 °C after one hour warm up.
2. Flatness range 1529 to 1565 nm for 1550 model and 1526 to 1603 nm for 1560 model.

Ordering Information
Sample: MAPB+1E1550FP0


Code	Band
1550	C-band, 1527 to 1568 nm
1560	C+L-band, 1525 to 1610 nm



Code	Connector Type
FP	FC/PC
FA	FC/APC



Code	Output power
0	50 mW output power for C-band, 20 mW for C+L-band
1	100 mW output power (C-band only)



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

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