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VIAVI Solutions 5G

# *Enabling Australia's Field Technicians to build, troubleshoot and maintain better communications networks.*

VIAVI MASTER Distributor

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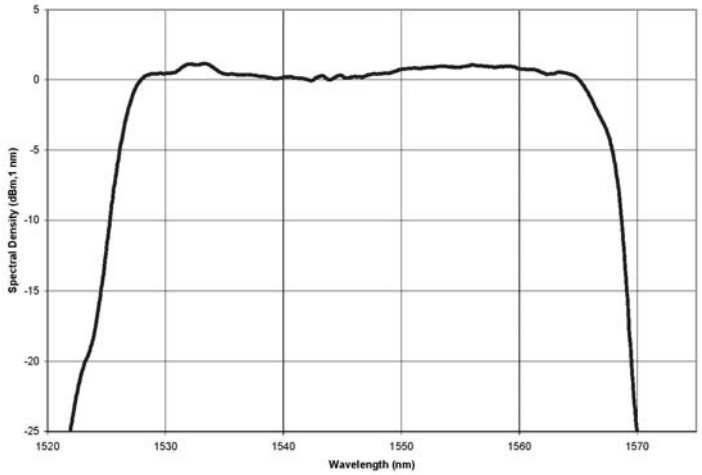
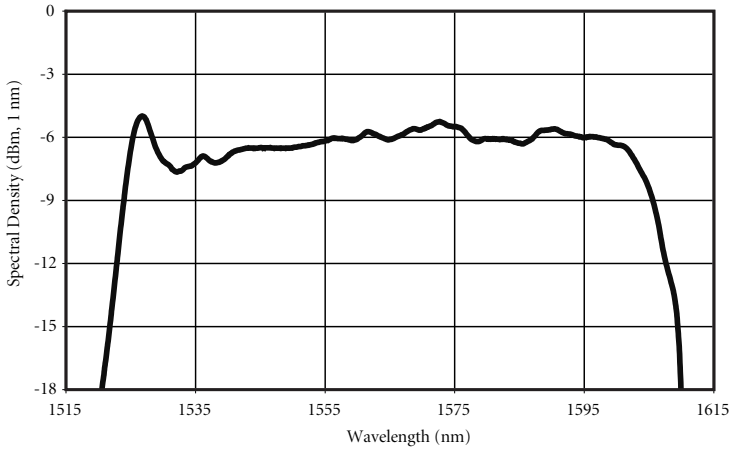
**Spectral Density Plot**
**MAPB+1E1550 C-band 50 mW**




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



## Specifications

| Parameter | 1550<br>50 mW Output Power | 1550<br>100 mW Output Power | 1560<br>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**

**MAPB +1E** □□□□ □□ □

| 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.



## Test & Measurement Regional Sales

**NORTH AMERICA**
TEL: 1 866 228 3762
FAX: +1 301 353 9216

**LATIN AMERICA**
TEL: +55 11 5503 3800
FAX: +55 11 5505 1598

**ASIA PACIFIC**
TEL: +852 2892 0990
FAX: +852 2892 0770

**EMEA**
TEL: +49 7121 86 2222
FAX: +49 7121 86 1222

**WEBSITE: www.jdsu.com**