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Data Sheet

August 7, 2026

JDS UNIPHASE

JDS Uniphase MAPB+1E1550FP0 Model BBS / MAP Broadband Source

The JDS Uniphase MAPB+1E1550FP0 Model BBS is a MAP Broadband Source, designed for various optical testing and measurement applications. This broadband source provides a stable and reliable optical output, making it suitable for characterizing optical components and systems. Its solid design ensures consistent performance in demanding environments.



MODEL

**JDS Uniphase
MAPB+1E1550FP0**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MAPB+1E1550FP0

LISTING

<https://aumictechlabs.com/products/mapb-1e1550fp0-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDS Uniphase MAPB+1E1550FP0 Model BBS is a MAP Broadband Source cassette that generates spectrally flattened amplified spontaneous emission (ASE) across the C-band using erbium-doped fiber technology. Operating from 1527 nm to 1568 nm, this source delivers stable, high-power-density output suitable for optical component characterization, system compliance validation, OSNR measurements, and test equipment calibration. The unit integrates directly into the JDS Uniphase Multiple Application Platform (MAP) chassis, providing modular functionality in a compact form factor.

Technical Specifications
Product Type: MAP Broadband Source Cassette
Optical Output: Amplified Spontaneous Emission (ASE)
Wavelength Range: 1527 nm to 1568 nm (C-band)
Output Power: 50 mW or 100 mW options
Spectral Gain Flatness: ≤ 1.6 dB maximum Total

Output Power Stability: ± 0.02 dB Output Isolation: ≥ 46 dB Optical Interface: FC/PC Operating Temperature: 0 to 50 °C Storage Temperature: -40 to 70 °C Humidity: Maximum 95% RH non-condensing (0 to 45 °C) Safety Compliance: IEC 60825-1 (2002) Class 3B; 21 CFR 1040.10; CE, UL3101-1, CAN/CSA-C22.2 No.1010.1

Key Features Flattened output power spectrum across C-band for consistent spectral performance High output power density enables efficient optical testing Superior spectral stability ensures repeatable, reliable measurements Cassette form factor optimized for MAP system integration Selectable output power accommodates various test requirements

Typical Applications Optical component spectral characterization Systems compliance and performance validation Optical signal-to-noise ratio (OSNR) experimentation Test equipment calibration and verification Active and passive component noise source testing Sensor and imaging system evaluation

Compatibility & Integration Designed exclusively for integration within the JDS Uniphase Multiple Application Platform (MAP) chassis. Dimensions (benchtop BBS configuration): 21.2 × 8.9 × 35.5 cm; weight: <4 kg.

Features & description

From manufacturer datasheet

Features

- Band: C-band broadband ASE source
- Operating wavelength: 1527 to 1568 nm
- Total optical power (minimum): 50 mW
- Spectral gain flatness (maximum): 1.6 dB
- Total output power stability: 0.02 dB
- Output isolation (minimum): 45 dB
- Connector: FC/PC (FP0)
- Form: MAP cassette; hot-swap capable in MAP chassis
- Related: MAPB+1E1550FAO (FC/APC), higher-power benchtop BBS1550 options

MAPB1E1550FP0 Characteristics / Specifications

PARAMETER	VALUE
Model	MAPB+1E1550FP0
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	MAP Broadband (ASE) Source Cassette
Family	MAPB / BBS
Alias	MAPB+1E1550FP0; MAP BBS C-band Optical 1527–1568 nm; ≥50 mW; 1.6 dB flatness; FC/PC Operational Notes Prefer JDSU MAP broadband source cassette documentation. Requires compatible MAP mainframe.
Band	C-band broadband ASE source
Operating wavelength	1527 to 1568 nm
Total optical power (minimum)	50 mW
Spectral gain flatness (maximum)	1.6 dB
Total output power stability	0.02 dB
Output isolation (minimum)	45 dB
Connector	FC/PC (FP0)
Form	MAP cassette; hot-swap capable in MAP chassis
Related	MAPB+1E1550FAO (FC/APC), higher-power benchtop BBS1550 options
Power stability	0.02 dB - Output isolation (minimum): 45 dB - Connector: FC/PC (FP0) - Form: MAP cassette; hot-swap capable in MAP chassis - Related: MAPB+1E1550FAO (FC/APC), higher-power benchtop BBS1550 options
Output isolation	(minimum): 45 dB - Connector: FC/PC (FP0) - Form: MAP cassette; hot-swap capable in MAP chassis - Related: MAPB+1E1550FAO (FC/APC), higher-power benchtop BBS1550 options

MAPB1E1550FP0 Specifications

PARAMETER	VALUE
Applications	Optical component spectral characterization; amplifier and system validation; flattened C-band broadband stimulus in MAP shelves.
Key Features	- Band: C-band broadband ASE source
Technical Specifications	Model: MAPB+1E1550FP0
Optical	1527–1568 nm; ≥50 mW; 1.6 dB flatness; FC/PC
Operational Notes	Prefer JDSU MAP broadband source cassette documentation. Requires compatible MAP mainframe.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications

PARAMETER	VALUE
Model	MAPB+1E1550FP0
Manufacturer	JDS Uniphase (JDSU / VIAVI)
Instrument Type	MAP Broadband (ASE) Source Cassette
Family	MAPB / BBS
Alias	MAPB+1E1550FP0; MAP BBS C-band

Optical

1527–1568 nm; ≥50 mW; 1.6 dB flatness; FC/PC

Operational Notes

Prefer JDSU MAP broadband source cassette documentation. Requires compatible MAP mainframe.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.