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Data Sheet
August 8, 2026

JDSU / AFC

JDSU / AFC Ultra BROAD BBS high power fiber source model BBS1516SSR1C-MUX

The JDSU/AFC Ultra Broadband Source (BBS) model BBS1516SSR1C-MUX is a high-power fiber optic light source engineered for spectral measurement and optical system compliance testing. Built on erbium-doped fiber amplified spontaneous emission (ASE) technology, this benchtop unit delivers a flattened optical spectrum with high output power density and exceptional spectral stability. Compatibility & Integration The BBS1516SSR1C-MUX integrates readily into existing manufacturing test setups and R&D laboratory infrastructure. The MUX designation indicates capability for multiplexing and signal selection applications, enabling deployment in multi-channel measurement and routing scenarios. This model suits both standalone spectral measurement applications and integration into automated optical testing systems. Aumictech offers NIST-traceable calibration and repair for the JDSU / AFC BBS1516SSR1

MODEL JDSU / AFC BBS1516SSR1C-MUX	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU BBS1516SSR1C-MUX	LISTING https://aumictechlabs.com/products/bbs1516ssr1c-mux-2/

NIST-traceable cal · SAM registered · 30-day returns · NAICS 423690 · 811210 · 541380

This unit

The JDSU/AFC Ultra Broadband Source (BBS) model BBS1516SSR1C-MUX is a high-power fiber optic light source engineered for spectral measurement and optical system compliance testing. Built on erbium-doped fiber amplified spontaneous emission (ASE) technology, this benchtop unit delivers a flattened optical spectrum with high output power density and exceptional spectral stability.Technical Specifications Core Technology Erbium-doped fiber for amplified spontaneous emission (ASE) Flattened output power spectrum across operational wavelength range High spectral stability with optimized power density Optical Performance Designed for spectral power density and spectral uniformity Maximized optical stability in demanding test environments Connectors & Interfaces Standard fiber optic connectors typical of this instrument classKey Features Compact benchtop design optimized for laboratory and manufacturing integration High output power architecture suitable for demanding spectral applications Flattened spectral response eliminates power concentration anomalies Multiplexing capability integrated into model designation for complex signal routing scenariosTypical Applications Optical component spectral characterization and measurement System compliance testing in manufacturing environments Research and development of fiber optic systems Spectral power density validation and component screeningCompatibility & Integration The BBS1516SSR1C-MUX integrates readily into existing manufacturing test setups and R&D laboratory infrastructure. The MUX designation indicates capability for multiplexing and signal selection applications, enabling deployment in multi-channel measurement and routing scenarios. This model suits both standalone spectral measurement applications and integration into automated optical testing systems.

Features & description

From manufacturer datasheet

Features

• Manufacturer lineage: AFC Technologies / JDS Uniphase (JDSU) • Family: Ultra BROAD BBS high-power fiber source • Model: BBS1516SSR1C-MUX • Output: high-power broadband ASE (ultra-wide spectral coverage) • Fiber: single-mode output (configuration-dependent connector) • Designed for multi-band / ultra-broad spectral stimulus • MUX suffix: multiplexed / multi-band output configuration

BBS1516SSR1CMUX Characteristics / Specifications

PARAMETER	VALUE
Model	BBS1516SSR1C-MUX
Manufacturer	AFC / JDS Uniphase (JDSU)
Instrument Type	Ultra Broadband High-Power Fiber Source
Family	Ultra BROAD BBS high-power fiber source
Alias	BBS1516SSR1C-MUX; Ultra BROAD BBS Optical High-power ultra-broad ASE; SM fiber output; MUX config Operational Notes Exact spectral width, total power, and connector type are build-specific. Prefer AFC/JDSU BBS 15/16 Ultra BROAD data for the SSR1C-MUX configuration on the unit label.
Manufacturer lineage	AFC Technologies / JDS Uniphase (JDSU)
Output	high-power broadband ASE (ultra-wide spectral coverage)
Fiber	single-mode output (configuration-dependent connector)
MUX suffix	multiplexed / multi-band output configuration

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	BBS1516SSR1C-MUX
Manufacturer	AFC / JDS Uniphase (JDSU)
Instrument Type	Ultra Broadband High-Power Fiber Source
Family	BBS Ultra BROAD
Alias	BBS1516SSR1C-MUX; Ultra BROAD BBS

Optical
High-power ultra-broad ASE; SM fiber output; MUX config

Operational Notes
Exact spectral width, total power, and connector type are build-specific. Prefer AFC/JDSU BBS 15/16 Ultra BROAD data for the SSR1C-MUX configuration on the unit label.

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

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Generated August 8, 2026