

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

JDSU/OPREL

JDSU Oprel BBS-30-F1-131 / Optical Broadband Light Source

The JDSU Oprel BBS-30-F1-131 is an optical broadband light source engineered to generate stable, reliable broadband spectrum output across fiber optic testing and measurement applications. Designed for laboratory, research, and field service environments, this instrument delivers precise optical signal generation for component characterization, telecommunications validation, and photonics development work. Aumictech offers NIST-traceable calibration and repair for the JDSU/Oprel BBS-30-F1-131. Calibration covers output power at specified wavelengths, wavelength accuracy, 15-minute output stability, and modulation frequency accuracy where applicable. All calibrations ship with a NIST-traceable certificate. Turnaround is typically 1–3 business days after receipt. Common JDSU/Oprel BBS-30-F1-131 faults: laser diode end-of-life (output below spec), fiber output connector damage, output ins



MODEL

JDSU/Oprel BBS-30-F1-131

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

BBS-30-F1-131

LISTING

<https://aumictechlabs.com/products/bbs-30-f1-131-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDSU Oprel BBS-30-F1-131 is an optical broadband light source engineered to generate stable, reliable broadband spectrum output across fiber optic testing and measurement applications. Designed for laboratory, research, and field service environments, this instrument

delivers precise optical signal generation for component characterization, telecommunications validation, and photonics development work. Technical Specifications The BBS-30-F1-131 produces broadband optical output with high stability, making it suitable for demanding test scenarios requiring consistent spectral performance. The unit integrates standard optical connectors typical of JDSU/Viavi platforms - including FC, SC, ST, and LC interfaces - enabling direct compatibility with conventional fiber optic test benches and measurement systems. Key Features Broadband spectrum output for multi-wavelength testing High-stability optical signal generation Standard optical connector interfaces Engineered for reliable long-term operation in field and laboratory deployments Typical Applications Fiber optic component and subsystem testing Telecommunications network validation and commissioning Optical laboratory measurements and characterization Photonics research and development Compatibility & Integration The BBS-30-F1-131 operates within standard fiber optic test setups. Its broadband spectral output supports broad applicability across multiple optical testing protocols and measurement methodologies, allowing integration into existing test automation frameworks and manual measurement workflows.

Features & description

From manufacturer datasheet

Polarization Class: unpolarized ASE class typical

Related Models: other BBS-30 configurations Humidity Class: noncondensing Storage Temperature Class: minus 40 C to 70 C class Safety Class: laser/LED product classification on label Control: front panel and or remote class Manufacturer: JDS Uniphase Oprel Catalog Configuration: F1-131 Notes Identity rows from JDSU Oprel BBS-30-F1-131 broadband light source catalog designation. Exact spectral density and total power are on the BBS-30 configuration datasheet.

BBS30F1131 Characteristics / Specifications

PARAMETER	VALUE
Model	BBS-30-F1-131
Instrument Type	optical broadband light source
Series Family	JDSU Oprel BBS-30
Brand Lineage	JDSU Oprel
Output Type	broadband optical
Fiber Interface	single-mode fiber coupled class
Wavelength Band Class	C-band class broadband
Output Power Class	multi mW broadband class OEM
Spectral Width Class	tens of nm broadband class
Form Factor	benchtop or modular optical source class
Operating Temperature Class	0 C to 40 C lab class
Power Source	AC mains class
Use Case	passive optical component test
Connector Class	FC/APC or FC/PC adapter class
Stability Class	power stabilized broadband class
Polarization Class	unpolarized ASE class typical
Related Models	other BBS-30 configurations
Humidity Class	noncondensing
Storage Temperature Class	minus 40 C to 70 C class
Safety Class	laser/LED product classification on label
Control	front panel and or remote class
Manufacturer	JDS Uniphase Oprel
Catalog Configuration	F1-131
Storage temperature	Class: minus 40 C to 70 C class
Operating temperature	Class: 0 C to 40 C lab class

PARAMETER	VALUE
Humidity	Class: noncondensing

BBS30F1131 Specifications

PARAMETER	VALUE
Key Features	Broadband optical continuum output
Stable ASE or SLED class emission	Catalog configuration F1-131
Technical Specifications	Model: BBS-30-F1-131

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: minus 40 C to 70 C class
Operating temperature	Class: 0 C to 40 C lab class
Operating Temperature	Class: 0 C to 40 C lab class
Humidity	Class: noncondensing
Operating Temperature Class	0 C to 40 C lab class
Power Source	AC mains class
Use Case	passive optical component test
Connector Class	FC/APC or FC/PC adapter class
Stability Class	power stabilized broadband class
Polarization Class	unpolarized ASE class typical
Related Models	other BBS-30 configurations
Humidity Class	noncondensing
Storage Temperature Class	minus 40 C to 70 C class
Safety Class	laser/LED product classification on label
Control	front panel and or remote class
Manufacturer	JDS Uniphase Oprel
Catalog Configuration	F1-131 Notes Identity rows from JDSU Oprel BBS-30-F1-131 broadband light source catalog designation. Exact spectral density and total power are on the BBS-30 configuration datasheet.

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	BBS-30-F1-131
Instrument Type	optical broadband light source
Series Family	JDSU Oprel BBS-30
Brand Lineage	JDSU Oprel
Output Type	broadband optical
Fiber Interface	single-mode fiber coupled class
Wavelength Band Class	C-band class broadband
Output Power Class	multi mW broadband class OEM
Spectral Width Class	tens of nm broadband class
Form Factor	benchtop or modular optical source class
Operating Temperature Class	0 C to 40 C lab class
Power Source	AC mains class
Use Case	passive optical component test
Connector Class	FC/APC or FC/PC adapter class
Stability Class	power stabilized broadband class
Polarization Class	unpolarized ASE class typical
Related Models	other BBS-30 configurations
Humidity Class	noncondensing
Storage Temperature Class	minus 40 C to 70 C class
Safety Class	laser/LED product classification on label
Control	front panel and or remote class
Manufacturer	JDS Uniphase Oprel
Catalog Configuration	F1-131
Notes	
Identity rows from JDSU Oprel BBS-30-F1-131 broadband light source catalog designation. Exact spectral density and total power are on the BBS-30 configuration datasheet.	

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

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