

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

JDS UNIPHASE

JDS Uniphase 5500L (5500L-1.3-LS36-CST-LBR)

The JDS Uniphase 5500L (5500L-1.3-LS36-CST-LBR) is a fiber optic transceiver engineered for long-reach optical communication applications. Part of the 5500L series, this module operates at 1.3 μm wavelength and delivers low-power consumption design characteristics suitable for dense network deployments. The transceiver supports single-mode fiber transmission and integrates standard optical interfaces for reliable signal delivery across extended distances. Aumictech offers NIST-traceable calibration and repair for the JDS Uniphase 5500L-1.3-LS36-CST-LBR. Calibration covers optical reference power levels, electrical signal amplitude calibration, protocol layer verification, and BER measurement floor validation. All calibrations ship with a NIST-traceable certificate. Turnaround is typically 1–3 business days after receipt. Common JDS Uniphase 5500L-1.3-LS36-CST-LBR faults: SFP cage mecha



MODEL

**JDS Uniphase
5500L-1.3-LS36-
CST-LBR**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

**5500L-1.3-LS36-
CST-LBR**

LISTING

[https://aumictechlabs.c
om/products/5500l-1-3
-ls36-cst-lbr-2/](https://aumictechlabs.com/products/5500l-1-3-ls36-cst-lbr-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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network deployments. The transceiver supports single-mode fiber transmission and integrates standard optical interfaces for reliable signal delivery across extended distances.

Technical Specifications

- Wavelength Operation: 1.3 μm
- Fiber Type: Single-mode fiber (SMF), 9/125 μm
- Data Rate: Up to 2.5 Gbps
- Power Consumption: Low-power design
- Optical Interface: Standard fiber optic connector configuration

Key Features

- 1.3 μm wavelength optimized for medium-reach and long-reach system architectures
- Single-mode fiber compatibility for extended transmission distances
- Low-power consumption reduces thermal load and operational costs
- Designed for integration into WDM and DWDM optical communication networks

Typical Applications

- Long-reach fiber optic communication systems
- Wavelength Division Multiplexing (WDM) networks
- Dense Wavelength Division Multiplexing (DWDM) deployments
- Medium to long-distance optical signal transmission
- Optical network infrastructure requiring extended reach performance

Compatibility & Integration

The 5500L series integrates into optical communication systems utilizing single-mode fiber infrastructure. Compatible with standard optical network architectures employing 1.3 μm wavelength systems and supporting data rates to 2.5 Gbps. The transceiver functions as a component within larger optical transmission and testing systems typical of JDS Uniphase product portfolios.

5500L13LS36CSTLBR Characteristics / Specifications

PARAMETER	VALUE
Model	5500L
Configured Build	5500L-1.3-LS36-CST-LBR
Instrument Type	Laboratory laser source
Wavelength Class	1.3 um / 1310 nm
Family	JDSU 5500 laser sources
Manufacturer	JDS Uniphase / VIAVI
Use Case	1310 nm optical stimulus
Form Factor	benchtop / MAP laser source
Operating Temperature Class	laboratory laser
Literature	JDSU 5500L 1.3 um laser source listings
Output	fiber-coupled laser
Documentation Type	OEM laser-source catalog
Brand Lineage	JDS Uniphase VIAVI
System Role	1310 nm source
Connector Class	FC/PC or APC per CST build
Safety	Class 1 or 3B per label
Control	local / GPIB class
Stability Class	5500 laboratory source
Related 15	other 5500 wavelengths are separate models
Power Class	source power on 5500L sheet
Calibration Source	OEM published specifications
Export Class	commercial test equipment
Operating temperature	Class: laboratory laser

5500L13LS36CSTLBR Specifications

PARAMETER	VALUE
JDS Uniphase 5500L 1.3 um Laser Source	Overview
Applications	1310 nm insertion-loss, detector, and component stimulus.
Key Features	5500L laboratory laser source
Configured LS36 CST LBR build	JDSU 5500 family
Technical Specifications	Model: 5500L

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: laboratory laser
Operating Temperature	Class: laboratory laser
Operating Temperature Class	laboratory laser
Literature	JDSU 5500L 1.3 um laser source listings
Output	fiber-coupled laser
Documentation Type	OEM laser-source catalog
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Control	local / GPIB class
Stability Class	5500 laboratory source
Related 15	other 5500 wavelengths are separate models
Power Class	source power on 5500L sheet
Calibration Source	OEM published specifications
Export Class	commercial test equipment Notes From JDS Uniphase 5500L (5500L-1.3-LS36-CST-LBR) 1.3 um laser-source catalog identity. Output power, spectral width, and connector are on the 5500L configuration data sheet.

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	
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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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<https://aumictechlabs.com>

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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.