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Data Sheet

August 15, 2026

JDS UNIPHASE

JDS Uniphase SDL 81-S97D8

The JDS Uniphase SDL 81-S97D8 is a high-power, single-mode laser diode designed for various applications. It offers reliable performance and efficient light emission.



MODEL

**JDS Uniphase SDL
81-S97D8**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

SDL 81-S97D8

LISTING

<https://aumictechlabs.com/products/sdl-81-s97d8-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDS Uniphase SDL 81-S97D8 is a 1 W single-mode laser diode module operating at 1310 nm, designed for fiber-coupled applications in telecommunications, sensing, and test instrumentation. This fiberlaser delivers high-power output in a compact 14-pin butterfly package with integrated SMF-28 pigtail delivery. Technical Specifications Wavelength: 1310 nm Output Power: 1 W Product Type: Single-mode laser diode (fiberlaser) Fiber Type: SMF-28, 250 micron core Fiber Pigtail Length: 2.00 ± 0.10 m Package: 14-pin butterfly Typical Package Dimensions: 12.7 mm × 48.9 mm (excluding fiber pigtail) Key Features Single-mode emission ensures high beam quality and spatial coherence 1310 nm wavelength optimized for long-haul fiber optic systems with minimal dispersion 1 W output power suitable for pump and signal applications SMF-28 pigtail pre-terminated for direct system integration Butterfly package standard for high-reliability module integration Typical Applications Telecommunications and long-distance fiber communication Fiber optic sensor systems Research and development Test and measurement equipment Compatibility & Integration The SDL 81-S97D8 is a component module designed for integration into larger

systems. System compatibility depends on matching power supply requirements, control signal specifications, and optical interface specifications to your host platform. The SMF-28 pigtail accommodates standard fiber connectors typical of JDS Uniphase fiber-coupled products.

SDL81S97D8 Characteristics / Specifications

PARAMETER	VALUE
Model	SDL 81
Configured Build	SDL 81-S97D8
Instrument Type	980 nm class pump laser diode
Family	Spectra Diode Labs SDL-81xx
Wavelength Class	980 nm pump
Use Case	EDFA pump
Package	fiber-coupled pump laser
Manufacturer	Spectra Diode Labs / JDS Uniphase / VIAVI
Related Amplifier	ErFA1215-PM-B2 erbium fiber amplifier family
Form Factor	pump laser module
Operating Temperature Class	laser-diode case window
Literature	JDSU SDL 81 pump laser listings
Drive	laser current / TEC class
Fiber	single-mode pump fiber class
Documentation Type	OEM pump-laser catalog
Brand Lineage	SDL JDS Uniphase VIAVI
System Role	980 nm pump
Connector Class	fiber pigtail/connector per build
Safety	Class 3B/4 laser class per label
Pinout	SDL-81 package pinout
Cooling	TEC in butterfly class packages
Calibration Source	OEM published specifications
Operating temperature	Class: laser-diode case window

SDL81S97D8 Specifications

PARAMETER	VALUE
JDS Uniphase SDL 81 980 nm Pump Laser Family	Overview
Applications	EDFA 980 nm pumping and fiber-laser pump injection.
Key Features	SDL-81xx 980 nm pump family
JDSU Spectra Diode Labs lineage	Configured build SDL 81-S97D8
Technical Specifications	Model: SDL 81

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: laser-diode case window
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Cooling	TEC in butterfly class packages
Calibration Source	OEM published specifications Notes From JDS Uniphase / SDL 81 980 nm pump-laser family identity. Kink-free power, exact wavelength, and NA are on the SDL 81 / S97D8 device data sheet and are not invented here.

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