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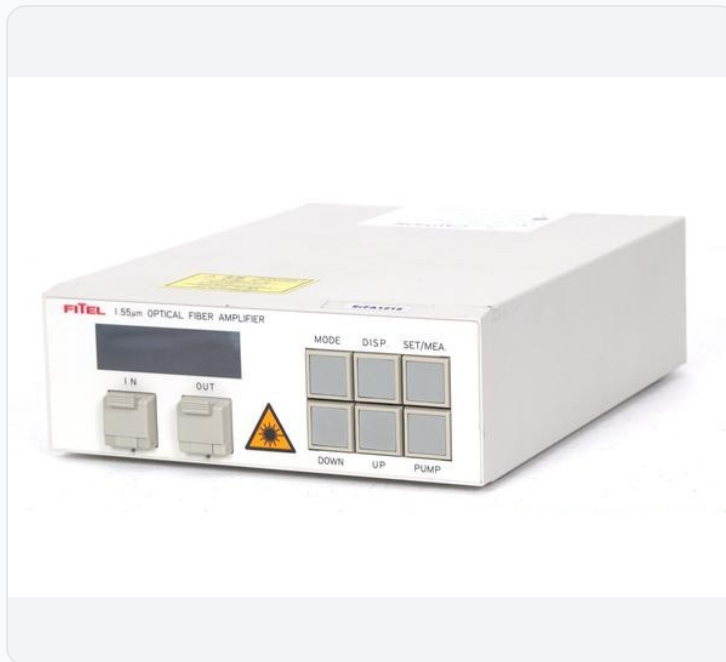
Data Sheet

August 15, 2026

JDS UNIPHASE

JDS Uniphase ErFA1215-PM-B2

JDS Uniphase Optical Amplifiers. Wavelength: division multiplexing (DWDM) systems.

**MODEL****JDS Uniphase
ErFA1215-PM-B2****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****ErFA1215-PM-B2****LISTING**<https://aumictechlabs.com/products/erfa1215-pm-b2-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The JDS Uniphase ErFA1215-PM-B2 is a polarization-maintaining erbium-doped fiber amplifier (EDFA) module engineered for optical communication systems operating in the 1530–1565 nm wavelength band. Built on PM fiber architecture, it preserves signal polarization state across amplification, delivering stable performance in DWDM and long-haul transmission networks. The module supports pre-amplifier, in-line, and booster configurations with saturated output power ranging from +15 dBm to +22 dBm and small-signal gain of 20–24 dB minimum. Technical Specifications Optical Performance Wavelength range: 1530–1565 nm Saturated output power: +15 dBm to +22 dBm (configuration-dependent) Small-signal gain: 20–24 dB minimum Noise figure: Up to 5–6.5 dB (configuration and power-dependent) Spectral gain flatness: Maximum 1.7 dB peak-to-peak Polarization-dependent loss (PDL): <0.3 dB maximum Polarization mode dispersion (PMD): 0.6 ps maximum Input/output isolation: 40 dB / 40 dB (configuration-dependent) Fiber and Connectors Fiber type: Polarization-maintaining (PM) Optical interfaces: FC/PC, FC/APC, SC/PC, or SC/APC Environmental Specifications Operating temperature: 0 to 50 °C Storage temperature: –40 to 70 °C Humidity: Maximum 95% RH non-condensing (0 to 45 °C)

Physical and Packaging Form factors: Half-rack benchtop and 19-inch rack-mount Approximate dimensions: 21.2 × 8.9 × 35.5 cm Approximate weight: <4 kg Laser Safety Classification: Class IIIb (FDA 21 CFR 1040.10) Maximum output power: 22.8 dBm (L-band) or 24.5 dBm (C+L-band) Key Features Polarization-maintaining fiber architecture ensures stable polarization state preservation Configurable amplifier topology (pre-amplifier, in-line, booster) for flexible network deployment Flat spectral response within 1.7 dB peak-to-peak across operational bandwidth Low PDL and PMD for high-fidelity signal transmission Typical Applications Dense wavelength-division multiplexing (DWDM) systems Long-haul optical transmission networks Polarization-sensitive applications requiring PM architecture Compatibility & Integration Available in benchtop and rack-mount packaging. Standard fiber connectors (FC/PC, FC/APC, SC/PC, SC/APC) enable integration into existing optical infrastructures.

Features & description

From manufacturer datasheet

Polarization maintaining

ErFA 1215 family B2 build Pairs with SDL 81 980 nm pumps Technical Specifications Model: ErFA1215-PM-B2 Instrument Type: Polarization maintaining EDFA Family: JDSU ErFA Fiber Type: polarization maintaining Band Class: C-band erbium Related Pump: SDL 81 980 nm pump laser family Manufacturer: JDS Uniphase / VIAVI Use Case: PM optical amplification Form Factor: EDFA module / instrument Operating Temperature Class: laboratory EDFA Literature: JDSU ErFA1215-PM-B2 listings Pump Class: 980 nm pump Documentation Type: OEM EDFA catalog Brand Lineage: JDS Uniphase VIAVI System Role: PM EDFA Connector Class: PM FC/APC class Control: current/power mode class Safety: Class 3B amplified output class per label Input: C-band PM input Output: C-band PM output Revision: B2 Calibration Source: OEM published specifications Notes From JDS Uniphase ErFA1215-PM-B2 PM EDFA catalog identity. Saturated power, noise figure, and gain are on the ErFA1215 data sheet.

ERFA1215PMB2 Characteristics / Specifications

PARAMETER	VALUE
Model	ErFA1215-PM-B2
Instrument Type	Polarization maintaining EDFA
Family	JDSU ErFA
Fiber Type	polarization maintaining
Band Class	C-band erbium
Related Pump	SDL 81 980 nm pump laser family
Manufacturer	JDS Uniphase / VIAVI
Use Case	PM optical amplification
Form Factor	EDFA module / instrument
Operating Temperature Class	laboratory EDFA
Literature	JDSU ErFA1215-PM-B2 listings
Pump Class	980 nm pump
Documentation Type	OEM EDFA catalog
Brand Lineage	JDS Uniphase VIAVI
System Role	PM EDFA
Connector Class	PM FC/APC class
Control	current/power mode class
Safety	Class 3B amplified output class per label
Input	C-band PM input
Output	C-band PM output
Revision	B2
Calibration Source	OEM published specifications
Operating temperature	Class: laboratory EDFA

ERFA1215PMB2 Specifications

PARAMETER	VALUE
Polarization maintaining	ErFA 1215 family
B2 build	Pairs with SDL 81 980 nm pumps
Technical Specifications	Model: ErFA1215-PM-B2
Notes	From JDS Uniphase ErFA1215-PM-B2 PM EDFA catalog identity. Saturated power, noise figure, and gain are on the ErFA1215 data sheet.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: laboratory EDFA
Operating Temperature	Class: laboratory EDFA
Operating Temperature Class	laboratory EDFA
Literature	JDSU ErFA1215-PM-B2 listings
Pump Class	980 nm pump
Documentation Type	OEM EDFA catalog
Brand Lineage	JDS Uniphase VIAVI
System Role	PM EDFA
Connector Class	PM FC/APC class
Control	current/power mode class
Safety	Class 3B amplified output class per label
Input	C-band PM input
Output	C-band PM output
Revision	B2
Calibration Source	OEM published specifications Notes From JDS Uniphase ErFA1215-PM-B2 PM EDFA catalog identity. Saturated power, noise figure, and gain are on the ErFA1215 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	
Specifications	
PARAMETER	VALUE
Model	ErFA1215-PM-B2
Instrument Type	Polarization maintaining EDFA
Family	JDSU ErFA
Fiber Type	polarization maintaining
Band Class	C-band erbium
Related Pump	SDL 81 980 nm pump laser family
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Control	current/power mode class
Safety	Class 3B amplified output class per label
Input	C-band PM input
Output	C-band PM output
Revision	B2
Calibration Source	OEM published specifications
Notes	
From JDS Uniphase ErFA1215-PM-B2 PM EDFA catalog identity. Saturated power, noise figure, and gain are on the ErFA1215 data sheet.	

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.