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Data Sheet

August 15, 2026

AFC TECHNOLOGIES

AFC Technologies SRFA1550LSR1CC

AFC Technologies SRFA1550LSR1CC EDFA Module Queue model SRFA1550LSR1CC is the AFC Technologies SRFA1550LSR1CC 1550 nm EDFA / source module. Remaining-queue SKU encodes SRFA 1550 nm LSR class with CC remaining-queue suffix. AFC (later JDSU optical) SRFA modules are C-band erbium amplifiers/sources. Exact gain, output power, and noise figure are on the SRFA1550LSR1CC label. 1550 nm EDFA / source amplification in optical-test and telecom racks that specify SRFA1550LSR1CC. Instrument Type: 1550 nm EDFA / source module Queue model SRFA1550LSR1CC is the AFC Technologies SRFA1550LSR1CC 1550 nm EDFA / source module. Remaining-queue SKU encodes SRFA 1550 nm LSR class with CC remaining-queue suffix. AFC (later JDSU optical) SRFA modules are C-band erbium amplifiers/sources. Exact gain, output power, and noise figure are on the SRFA1550LSR1CC label. 1550 nm EDFA / source amplification in optical-test and telecom racks that specify SRFA1550LSR1CC. Instrument Type: 1550 nm EDFA / source module Literature: AFC Technologies SRFA1550LSR1CC listing



MODEL

**AFC Technologies
SRFA1550LSR1CC**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

SRFA1550LSR1CC

LISTING

<https://aumictechlabs.com/products/srfa1550lsr1cc-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The AFC Technologies SRFA1550LSR1CC is an Erbium-Doped Fiber Amplifier (EDFA) module engineered for long-reach optical communication systems operating at 1550 nm. It amplifies

optical signals to extend transmission distances and maintain signal integrity across C-band fiber optic networks.

Technical Specifications

Optical Characteristics Wavelength Range: 1550 nm

Amplifier Type: Erbium-Doped Fiber Amplifier (EDFA) **Fiber Type:** Single-mode fiber (SMF)

Physical Design **Form Factor:** Compact design for integration into dense network equipment and rack-mounted chassis **Power Consumption:** Low power consumption for energy-efficient operation in large-scale deployments

Standards Compliance Compliant with industry standards for interoperability and reliability in telecommunications environments

Key Features Optimized for C-band operation in long-reach telecommunications infrastructure Compact form factor enables seamless integration into modular network systems Low power consumption reduces operational costs in multi-unit deployments Single-mode fiber compatibility ensures compatibility with standard optical networks

Typical Applications Long-distance optical signal amplification C-band fiber optic communication networks Rack-mounted telecommunications equipment Modular network system integration

Compatibility & Integration The SRFA1550LSR1CC operates with single-mode fiber at 1550 nm wavelengths, making it suitable for integration into existing C-band optical infrastructure. Its compact form factor allows deployment in space-constrained environments without compromising signal amplification performance.

SRFA1550LSR1CC Characteristics / Specifications

PARAMETER	VALUE
Model	SRFA1550LSR1CC
Instrument Type	1550 nm EDFA / source module
Manufacturer	AFC Technologies
Literature	AFC Technologies SRFA1550LSR1CC listing
Family	AFC SRFA 1550 nm
Form Factor	optical amplifier / source module
System Role	1550 nm EDFA / source module
Brand Lineage	AFC Technologies
Queue Title	AFC Technologies SRFA1550LSR1CC
Documentation Type	OEM SRFA1550LSR1CC listing
Use Case	1550 nm EDFA / source amplification in optical-test and telecom racks that specify SRFA1550LSR1CC
Vendor Path	AFC Technologies
Year Class	SRFA1550LSR1CC generation
Application Class	1550 nm EDFA / source module
Module Class	1550 nm EDFA / source module
Host Class	instrument host per drawing
Connector Class	connectors on the SRFA1550LSR1CC drawing
Ate Class	optical amplification
Control Class	SRFA1550LSR1CC front panel / firmware
Environment Class	ambient on the SRFA1550LSR1CC sheet
Mains Class	mains on the SRFA1550LSR1CC nameplate
Voltage Class	volts on the SRFA1550LSR1CC nameplate
Current Class	amperes on the SRFA1550LSR1CC nameplate
Wavelength Class	1550 nm class in the catalog model
Gain Class	gain on the SRFA1550LSR1CC label

PARAMETER	VALUE
Noise Class	noise figure on the SRFA1550LSR1CC label

SRFA1550LSR1CC Specifications

PARAMETER	VALUE
AFC Technologies SRFA1550LSR1CC EDFA Module	Overview
Applications	1550 nm EDFA / source amplification in optical-test and telecom racks that specify SRFA1550LSR1CC.
Key Features	AFC SRFA1550LSR1CC 1550 nm module
Technical Specifications	Model: SRFA1550LSR1CC

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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PARAMETER	VALUE
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Noise Class	noise figure on the SRFA1550LSR1CC label
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Notes

From remaining-queue model SRFA1550LSR1CC (AFC 1550 nm SRFA LSR class). Gain, output power, and noise figure are on the SRFA1550LSR1CC 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

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.