

**Aumictech**

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Data Sheet

August 15, 2026

GN NETTEST/PHOTONETICS

Photonetics BT-F Erbium Doped Fiber Amplifier

Aumictech offers NIST-traceable calibration and repair for the GN Nettest/Photonetics BT-F (3626). Calibration covers gain at rated input power across the specified wavelength range, noise figure at rated gain setting, output power accuracy, gain flatness across the C-band or specified wavelength range, and polarization-dependent gain (PDG) where applicable. All calibrations ship with a NIST-traceable certificate. Turnaround is typically 1–3 business days after receipt. Common GN Nettest/Photonetics BT-F (3626) faults: pump laser diode degradation (gain drop, reduced output power), TEC failure causing thermal drift, optical isolator degradation, power supply failure. The most common failure on any EDFA is pump laser diode degradation. Secondary faults include TEC failure causing thermal runaway, optical isolator degradation, and power supply failure. This GN Nettest/Photonetics BT-F (3



MODEL

**GN
Nettest/Photonetics
BT-F (3626)**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

BT-F (3626)

LISTING

<https://aumictechlabs.com/products/bt-f-3626-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The GN Nettest/Photonetics Fiberamp BT-F (3626) is engineered to amplify optical signals, compensating for losses incurred during transmission through optical fibers. This amplifier enhances signal power, enabling longer transmission distances and improved signal-to-noise

ratio. It is suitable for use in telecommunications, data centers, and research applications where reliable and high-quality optical signal amplification is required.

Features & description

From manufacturer datasheet

Polarization: non PM SMF path

Humidity Class: non condensing Cooling Class: forced air or conduction Mass Class: benchtop
instrument Notes Identity from Photonetics BT-F (3626) Erbium Doped Fiber Amplifier inventory title.
Exact gain output power and NF are unit-specific on the Photonetics calibration sheet.

BTF3626 Characteristics / Specifications

PARAMETER	VALUE
Model	BT-F
Also Known As	3626
Instrument Type	erbium doped fiber amplifier
Operating Band	C band
Typical Wavelength Class	1530 nm to 1565 nm
Topology	Er doped fiber amplifier
Control Modes Class	ACC and ALC
Fiber Type	single mode
Connector Class	FC optical
Input Isolator Class	included
Output Isolator Class	included
Remote Interface Class	GPIB RS-232 class
Line Power	AC mains benchtop
Operating Temperature Class	0 C to 40 C
Storage Temperature Class	minus 10 C to 60 C
Mechanical Package	benchtop
Manufacturer	Photonetics GN Nettekst
Gain Class	high gain C-band EDFA
Noise Figure Class	low NF EDFA
Monitor Class	pump and output monitoring
Safety Interlock Class	optical amp interlock
Pump Laser Class	980 nm class pumps
Polarization	non PM SMF path
Humidity Class	non condensing
Cooling Class	forced air or conduction

PARAMETER	VALUE
Mass Class	benchtop instrument
Storage temperature	Class: minus 10 C to 60 C
Operating temperature	Class: 0 C to 40 C
Humidity	Class: non condensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: minus 10 C to 60 C
Operating temperature	Class: 0 C to 40 C
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Humidity	Class: non condensing
Operating Temperature Class	0 C to 40 C
Storage Temperature Class	minus 10 C to 60 C
Mechanical Package	benchtop
Manufacturer	Photonetics GN Nettest
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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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Notes

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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.