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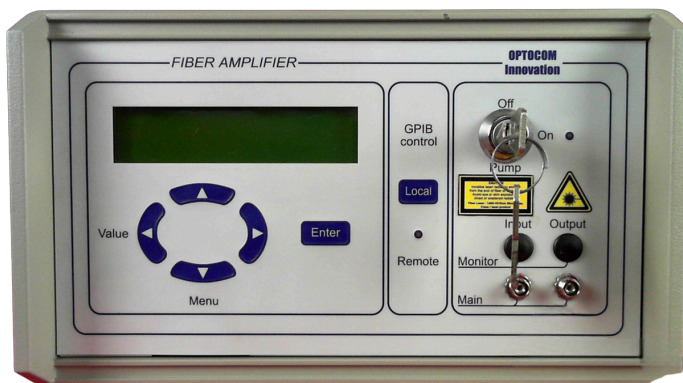
Data Sheet

August 13, 2026

KEOPSY/S/OPTOCOM INNOVATION

Keopsys / Optocom Innovation OI-BT-C-18-Sd-B-GP-FA

The OI-BT-C-18-Sd-B-GP-FA is a C-band fiber optic amplifier module engineered for optical signal amplification across communication and sensor systems. This benchtop unit delivers 18 dBm rated output power and operates within the C-band wavelength region, supporting pre-amplification, in-line amplification, and moderate power boosting applications. The module integrates input and output monitor photodiodes, paired with Automatic Power Control (APC) and Automatic Current Control (ACC) to maintain stable gain and output characteristics despite input signal variations. Dual control modes - constant pump current and constant output power - accommodate diverse operational requirements. Integrated monitor photodiodes at input and output ports for real-time signal monitoring Automatic Power Control (APC) maintains constant output power across varying input conditions Selectable control modes

**MODEL****Keopsys/Optocom
Innovation OI-BT-
C-18-Sd-B-GP-FA****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****OI-BT-C-18-Sd-B-
GP-FA****LISTING**[https://aumictechlabs.c
om/products/oi-bt-c-18
-sd-b-gp-fa-2/](https://aumictechlabs.com/products/oi-bt-c-18-sd-b-gp-fa-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

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dBm rated output power and operates within the C-band wavelength region, supporting pre-amplification, in-line amplification, and moderate power boosting applications. The module integrates input and output monitor photodiodes, paired with Automatic Power Control (APC) and Automatic Current Control (ACC) to maintain stable gain and output characteristics despite input signal variations. Dual control modes - constant pump current and constant output power - accommodate diverse operational requirements. Technical Specifications Product Type: C-Band Fiber Amplifier, benchtop (microprocessor controlled) Wavelength Band: C-Band, 1535–1565 nm Rated Output Power: 18 dBm Optical Connectors: FC/APC (input and output) Control Interface: GPIB (General Purpose Interface Bus) Key Features Integrated monitor photodiodes at input and output ports for real-time signal monitoring Automatic Power Control (APC) maintains constant output power across varying input conditions Automatic Current Control (ACC) stabilizes pump laser operation Selectable control modes: constant pump current or constant output power operation GPIB interface enables remote control, diagnostics, and automated data acquisition Typical Applications Optical signal pre-amplification in long-haul transmission systems In-line amplification for intermediate signal regeneration Moderate power boosting for sensor and laboratory instrumentation Integration into advanced optical communication systems requiring reliable, cost-effective amplification Compatibility & Integration Designed for direct integration into optical systems utilizing FC/APC fiber connectors. GPIB connectivity supports instrument racks and automated test environments. Note: This product line has transitioned from Optocom Innovation (OI-BT-C designation) to Keopsys (KPS-BT-C designation).

OIBTC18SDBGPFA Characteristics / Specifications

PARAMETER	VALUE
Model	OI-BT-C-18-Sd-B-GP-FA
Manufacturer	Optocom Innovation / Keopsys
Instrument Type	C-band erbium doped fiber amplifier
Series	OI-BT-C / KPS-BT-C
Alias	OI-BT-C-18-Sd-B-GP-FA; KPS-BT-C-18 class
Saturated Output	18 dBm
Band	C-band
Wavelength Range	1535 to 1565 nm
Optical Connectors	FC/APC
Control APC	automatic power control
Control ACC	automatic current control
Remote	GPIB
Form	microprocessor benchtop EDFA
Monitor Diodes	input and output photodiodes family
Alarms	pump and status on bench unit
Variant Sd	standard fiber amplifier
Variant B	booster class coding
Variant GP	GPIB
Variant FA	FC/APC
Successor Brand	Keopsys KPS-BT-C
Related 10 dBm	KPS-BT-C-10-FA
Related LN	KPS-BT-C-18-LN-FA low-noise 18 dBm
NotALaser	EDFA only
Pump	980/1480 nm class EDFA pumps internal
Gain	input-level dependent; 18 dBm is saturated output

PARAMETER	VALUE
Status	Optocom / Keopsys benchtop
Cooling	bench EDFA airflow
Duty	continuous within 18 dBm
Safety	Class 3B/4 IR laser from fiber output
Identification	OI-BT-C-18-Sd-B-GP-FA Notes Specs from Optocom/Keopsys OI-BT-C-18-Sd-B-GP-FA identity (18 dBm, 1535-1565 nm, FC/APC, GPIB, APC/ACC). Confirm FA polish and GP interface. Do not invent small-signal gain or NF unless on the nameplate.

OIBTC18SDBGPFA Specifications

PARAMETER	VALUE
GPIB ATE of EDFA output power	Single-channel C-band amplification with low gain ripple class
Key Features	18 dBm C-band benchtop EDFA
Technical Specifications	Model: OI-BT-C-18-Sd-B-GP-FA

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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Alarms	pump and status on bench unit

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Variant B	booster class coding
Variant GP	GPIB

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PARAMETER	VALUE
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Successor Brand	Keopsys KPS-BT-C
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PARAMETER	VALUE
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Notes

Specs from Optocom/Keopsys OI-BT-C-18-Sd-B-GP-FA identity (18 dBm, 1535-1565 nm, FC/APC, GPIB, APC/ACC). Confirm FA polish and GP interface. Do not invent small-signal gain or NF unless on the nameplate.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
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Generated August 13, 2026

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