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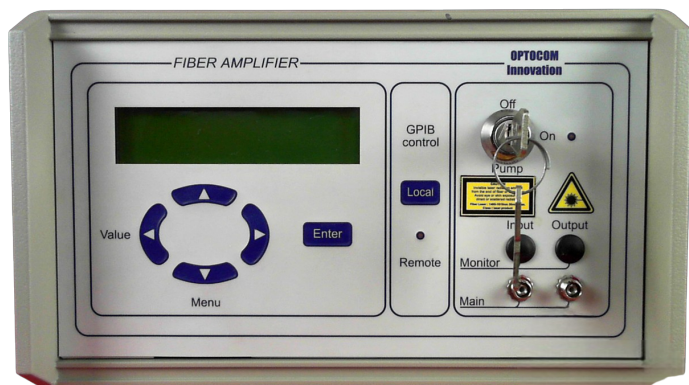
Data Sheet

August 2, 2026

KEOPSYS/OPTOCOM INNOVATION

Keopsys / Optocom Innovation 30dbm

The 30dbm provides a high-power C-band erbium-doped fiber amplifier (EDFA) optical amplifier module designed for OEM integration, with catalog designation referencing 30 dBm class output power in the C-band approximately 1530 to 1565 nm. C-band optical signal amplification in test and measurement benches; booster amplification for component and subsystem characterization; OEM integration in fiber optic test systems; link margin and power-level conditioning in WDM and telecom R&D setups; remote-controlled amplifier operation via RS-232 in automated racks. Wavelength Band: C-band, approximately 1530 to 1565 nm Saturated Output Power: Confirm on unit faceplate or OEM datasheet—listings may differ from catalog name Provide stable electrical power and adequate fiber handling per OEM guidelines. Allow warm-up time before stability-sensitive power measurements. Operate within C-band wavelength and input power limits marked on the module faceplate. Catalog name "30dbm" denotes the product family output-power class; some reseller listings publish different saturated output figures—verify the exact rated saturated output power on the faceplate rather than assuming a specific dBm value. Alias 30DBM / 30dbm.

**MODEL****Keopsys/Optocom
Innovation 30dbm****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****30dbm****LISTING**<https://aumictechlabs.com/products/30dbm-2/>

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SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keopsys / Optocom Innovation 30dBm is a high-power optical amplifier module engineered to amplify C-band signals across telecom and OEM applications. Delivering 19 dBm nominal output

power with input signals ranging from -45 dBm to 0 dBm, this module combines low noise performance with precise power control and excellent long-term stability.

Technical Specifications

Optical Performance
Output Power: 19 dBm nominal (at Pin = -6 dBm)
Input Power Range: -45 dBm to 0 dBm
Operating Wavelength: 1530–1565 nm (C-band)
Noise Figure: ≤ 4.5 dB maximum (Pin = -10 dBm)
Gain Flatness: < 1.5 dB (Pin = -15 dBm)
Stability (APC Pw): $\leq 1\%$ rms maximum over 8 hours at 25°C
Electrical & Environmental
Supply Voltage: 5 V DC
Power Consumption: < 4.5 W
Operating Temperature: -20°C to +65°C
Storage Temperature: -40°C to +85°C
Warm-up Time: < 10 minutes
FIT Rate: < 500

Key Features

Three independent control modes: ACC (Automatic Current Control), APC (Automatic Power Control), and APPC (Automatic Pump Power Control)
Output power tunability from 30% to 100% in APC mode
Output monitoring capability for real-time power verification
RS232 control interface for system integration
Compact form factor: 150 × 120 × 18 mm, weighing less than 0.5 kg
Multiple optical connector options: FC/APC, SC/APC, FC/SPC, SC/SPC
Standard SMF28 pigtail with 0.75 m length and 900 μ m jacketing (PVC)

Typical Applications

Long-haul and metro optical transmission systems
OEM optical subsystem integration
C-band signal amplification in fiber optic networks
Systems requiring low power consumption and high reliability

Compatibility & Integration

Designed as an OEM module, this amplifier integrates into larger fiber optic systems. Standard C-band operation, configurable optical connectors, and RS232 control compatibility enable deployment across diverse telecom and test equipment platforms.

Features & description

From manufacturer datasheet

Features

- High-power C-band EDFA/optical amplifier OEM module
- Catalog designation 30 dBm (confirm saturated output on faceplate)
- C-band operation approximately 1530 to 1565 nm
- ACC, APC, and APPC control mode class
- RS-232 remote control interface
- Compact module form factor for OEM integration

30DBM Characteristics / Specifications

PARAMETER	VALUE
Model	30dbm (30DBM)
Manufacturer	Keopsys / Optocom Innovation
Instrument Type	C-Band EDFA Optical Amplifier Module
Wavelength Band	C-band, approximately 1530 to 1565 nm
Catalog Output Designation	30 dBm class
Control Modes	ACC, APC, APPC (class)
Remote Interface	RS-232
Form Factor	Compact OEM module
Saturated Output Power	Confirm on unit faceplate or OEM datasheet—listings may differ from catalog name
Alias	30DBM / 30dbm Standard Operating Conditions Provide stable electrical power and adequate fiber handling per OEM guidelines. Allow warm-up time before stability-sensitive power measurements. Operate within C-band wavelength and input power limits marked on the module faceplate.
Warm-up time	before stability-sensitive power measurements. Operate within C-band wavelength and input power limits marked on the module faceplate.

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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Alias	30DBM / 30dbm
Standard Operating Conditions	
Provide stable electrical power and adequate fiber handling per OEM guidelines. Allow warm-up time before stability-sensitive power measurements. Operate within C-band wavelength and input power limits marked on the module faceplate.	
Operational Notes	
Catalog name "30dbm" denotes the product family output-power class; some reseller listings publish different saturated output figures-verify the exact rated saturated output power on the faceplate rather than assuming a specific dBm value. Alias 30DBM / 30dbm.	

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>

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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.