

CIF Price for Erbium-Doped Fiber Amplifier 1G

Article Overview

The CIF price for a 1G EDFA typically ranges from \$2,500 to \$6,000 USD, depending on output power, polarization type, and supplier.

Price Range and Factors

Erbium-Doped Fiber Amplifiers (EDFAs) are essential for amplifying optical signals in the C-band (1530-1565 nm) for long-distance fiber optic communications . The price of a 1G EDFA depends on several factors:

- o Output Power: Standard models like Thorlabs' EDFA100 series provide >20 dBm output, while EDFA300 series offer >24.5 dBm . Higher output power generally increases cost.
- o Polarization: Single-mode (SM) EDFAs are less expensive than polarization-maintaining (PM) models, which are required for certain high-precision applications .
- o Band Coverage: C-band only amplifiers are cheaper than C+L band or broadband EDFAs .
- o Supplier and Region: Prices vary between manufacturers such as Thorlabs, IPG Photonics, and Alibaba suppliers. Bulk orders or OEM modules may reduce unit cost .

CIF Considerations

CIF pricing includes product cost, insurance, and freight to the destination port. Factors affecting CIF price:

- o Shipping Method: Air freight is faster but more expensive than sea freight.
- o Insurance: Typically 1-3% of the product value, depending on coverage.
- o Customs and Duties: Import taxes vary by country and can significantly affect the final CIF price.
- o Packaging and Handling: EDFAs are sensitive optical devices; careful packaging may add to shipping costs.

Recommendation

For an accurate CIF quote:

- o Contact suppliers directly (Thorlabs, IPG Photonics, or Alibaba vendors) with your destination port and desired specifications.
- o Request a formal CIF quotation, including shipping, insurance, and estimated delivery time.
- o Compare quotes from multiple suppliers to ensure competitive pricing and reliable delivery. By considering these factors, you can expect a CIF price in the range of \$2,500-\$6,000 USD for a standard 1G EDFA, with higher-end models or specialized configurations potentially exceeding this range .

An EDFA (Erbium-Doped Fiber Amplifier) is used to boost 1550nm optical signals, compensating for signal loss over long-distance

An erbium-doped fiber amplifier is one of the most popular optical devices in modern optical communication systems as well as in

We specialize in the design and high-volume manufacturing of high-quality Erbium-Doped Fiber Amplifiers (EDFAs), offering cost

Erbium-doped fiber amplifiers (EDFAs) are crucial in optical communication networks, particularly in the 1550 nm

Agiltron's Erbium-Doped Fiber Amplifier (EDFA) is a cost-effective solution for optical signal amplification, utilizing high-reliability

Product Overview: C & L-Band Benchtop EDFA Overview: These benchtop EDFA instruments are C & L-band (1528 nm to 1603nm)

Increasing the core size of the erbium-doped fiber also increases the pump threshold, which exacts a price in pump

Lumibird proposes 10 different types of cw erbium doped fiber amplifier, based on our patented technology. Depending on your

Enhance your Fiber Optic Equipment setup with our premium Erbium Doped Fiber Amplifier Price. Identify leading distributors by their

Our wide range of Er-doped optical fibers allows for tailored optical amplifiers (EDFAs) performance based

Shop our collection of EDFA erbium-doped fiber amplifiers: 1030-2054nm, -14 to +15dBm input, up to 40 W output. SLM narrow

The IPG Photonics EAD Series Erbium Doped Fiber Amplifier is a versatile single-channel C-band (1533 to 1570nm) and L-band

Tutorial on fiber amplifiers. The first part explains how rare earth ions in fibers (e.g. erbium ions in an erbium-doped fiber amplifier)



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F-EDF erbium doped fibers provide the basic building block to fiber optic amplifiers used in broadband optical networks in the 1550

Erbium doped fiber amplifier (EDFA) is defined as a crucial component in advanced wavelength division multiplexing (WDM) systems

Amplification of optical transmission signals is powered by high efficiency Erbium doped fiber. Our wide range of Erbium doped

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