

Gallium arsenide laser diode price list



AI Overview

Gallium Arsenide (GaAs) laser diodes typically range from \$50 to over \$500 per unit, depending on power, wavelength, and application. Pricing Overview The cost of GaAs laser diodes varies widely based on power output, wavelength, and intended application. Low-power diodes (under 100 mW) for consumer electronics or basic sensing applications may cost around \$50–\$150 per unit, while high-power industrial or medical diodes (several watts, e.g., 10W at 808 nm) can exceed \$400–\$500 per unit. Specialized diodes for telecommunications, LiDAR, or 3D sensing often command premium prices due to precision manufacturing and reliability requirements. Factors Affecting Price Power and Wavelength: Higher output power and specific wavelengths (e.g., 808 nm, 980 nm) increase manufacturing complexity and cost. Technology Type: Single heterostructure, double heterostructure, and VECSEL diodes differ in efficiency and integration, affecting price. Application Sector: Medical aesthetic devices, fiber optic communications, and industrial sensing are high-value markets, driving higher prices. Supplier Concentration: The GaAs diode market is dominated by a few key players like Lumentum, Coherent (II-VI), and Broadcom, which can influence pricing through supply control and premium positioning. Volume and Procurement: Bulk orders for industrial or telecom applications may reduce per-unit cost, while small quantities for research or prototyping are more expensive. Market Context The GaAs laser diode market is growing rapidly, with a projected CAGR of 14.3% from 2024 to 2032, driven by demand in telecommunications, medical devices, and emerging sectors like LiDAR and 3D sensing. Technological innovations, such as multi-wavelength systems and high-power modules exceeding 100W, are also influencing pricing trends. In summary, expect to pay \$50–\$150 for low-power diodes and \$400–\$500 or more for high-power, specialized GaAs laser diodes, with prices influenced by power, wavelength, technol...

Article Content

price list

CHIP-650-P30, 650 nm, 30 mW, laser diode chip, (no guarantee on bare dies!)
CHIP-660-P100, 660 nm, 100 mW, laser diode chip, (no guarantee on bare dies!)
CHIP-980-P52, 976 nm, 50 mW, laser

Gallium Arsenide (GaAs) Wafer Market, Report Size, Worth, Revenue,

Gallium Arsenide (GaAs) Wafer Market Size The global Gallium Arsenide (GaAs) Wafer market was valued at US\$ 376 million in 2025 and is anticipated to reach US\$ 646 million by 2032,

Buy Gallium Arsenide Online

GaAs is a compound of the elements gallium and arsenic. It is a III/V semiconductor, and is used in the manufacture of devices such as microwave frequency integrated circuits, monolithic microwave

Light-emitting diode

Light-emitting diodes (as well as semiconductor lasers) are used to send data over many types of fiber optic cable, from digital audio over TOSLINK cables to the

Germanium and Gallium: U.S. Trade and Chinese Export Controls

Both minerals were included in the 50 mineral commodities on the 2022 List of Critical Minerals created by the United States Geological Survey (USGS).¹ Additionally, gallium, mainly in the form of gallium

High Output Semiconductor Laser Diode: Evolution & 2033 Outlook

The High Output Semiconductor Laser Diode market is projected to reach \$2.75 billion by 2034 with a 12.7% CAGR, driven by industrial automation. Gain market insights.

Coherent stock | 2026 price target, earnings & valuation

Coherent develops, manufactures, and markets lasers, transceivers, and other optical and optoelectronic devices, modules, and systems, as well as engineered materials, for use in

(PDF) MINERAL COMMODITY SUMMARIES 2026

MINERAL COMMODITY SUMMARIES 2026 U.S. Geological Survey, Reston, Virginia: 2026 Manuscript approved for publication February 6, 2026.

AXT details China risks, AI-linked InP demand | AXTI

AXT, Inc. is a materials science company that manufactures high-performance semiconductor substrates—indium phosphide (InP), gallium

Investing in Strategic Metals Beyond Rare Earths: Gallium,

Data-driven investment analysis of gallium, germanium, and indium markets. Verified current prices, China export control impacts, supply chain dynamics, and strategic investment

Gallium Arsenide Price Trends 2025

Explore current gallium arsenide price trends for 2025. Discover B2B vs B2C pricing, market growth, and sourcing strategies. Click to find the best deals on GaAs wafers, substrates, and

AXTI Q1-2026 Earnings Call

Turning to Gallium Arsenide. In Q1, demand for semiconducting wafers for industry robotics and data center lasers applications all held steady from the prior quarter. We continue to see

gallium arsenide Price

Comparing gallium arsenide prices. You can easily wholesale quality gallium arsenide at wholesale prices on Made-in-China .

Light Emitting Diode or the LED Tutorial

Unlike normal signal diodes which are made for detection or power rectification, and which are made from either Germanium or Silicon semiconductor materials, Light

Gallium Market: 4.3% CAGR to 2034 | \$337 Million Value

Gallium Arsenide (GaAs) Segment in Gallium Market The Gallium Arsenide (GaAs) segment currently holds a dominant position within the broader Gallium Market,

Gallium arsenide price, buy Gallium arsenide

It is also used in the manufacture of devices such as microwave frequency integrated circuits, Gunn diodes, monolithic microwave integrated circuits, infrared light-emitting diodes, laser diodes and

High Power Lasers Diodes (10W ~ 1kW)

In order to help, we put together a short list to help you at least figure out how much a "class" of laser diode might cost. This list is a rough guide of pricing by

Optoelectronics Market by Product Type, Material Type, Application ...

Optoelectronics Market by Product Type, Material Type, Application - Global Forecast 2026-2032 - The Optoelectronics Market is projected to grow by USD 104.29 billion at a CAGR of

GaAs Lasers

GaAs Lasers from the leading manufacturers are listed below. Use the filters to narrow down on products based on your requirement. Download datasheets and request quotes for products that you

Gallium arsenide price: Best deals & specs

Find the latest gallium arsenide price with tiered analysis, MOQ, and supplier ratings. Click to explore verified options for semiconductor-grade wafers, lenses, and components.

Lasers Market Size, Competitors, Trends & Forecast Report

Persistent Shortages of High-Grade Gallium Arsenide/Indium Phosphide Epi-Wafers
Export curbs on gallium and germanium intensify the scarcity of compound semiconductor substrates vital for high

Gallium Arsenide Laser Diodes

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All the Top Laser Diode Brands & Wavelengths (SHOP)

To ensure that you are getting the lowest price, all of the prices on our site are posted directly by the manufacturer or supplier. Prices are factory-direct with no

Laser Diode Driver Chip Market: 12.7% CAGR, \$2.75B by 2025

Explore Laser Diode Driver Chip market expansion fueled by optical communication and laser radar. Global CAGR of 12.7% projects a \$2.75B valuation. Access data-backed insights.

Gallium Price Today & Historical

The current gallium price and the historical prices and charts for the past 10 years. Future price forecast and where to safely buy gallium.

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