

How much does a 940nm laser diode cost in the UK

Article Overview

The price of a 940nm laser diode in the UK typically ranges from around GBP5 for low-power diodes to several hundred pounds for high-power or fiber-coupled modules.

Low-Power 940nm Laser Diodes

Standard low-power 940nm diodes, such as Osram Opto PLPVQ 940A in a 2-pin SMT package, are available from UK suppliers like RS Components and Farnell. These devices are generally priced in the GBP5-GBP20 range depending on the manufacturer and package type. They are suitable for applications like 3D sensing, facial recognition, or basic infrared illumination.

High-Power and Fiber-Coupled Modules

For higher power applications, including fiber-coupled 940nm laser diodes, prices increase significantly. Modules with output powers from 200 mW up to several watts can cost anywhere from GBP100 to over GBP500, depending on features such as integrated cooling, pilot lasers, or monitoring photodiodes. Advanced modules intended for low-volume or specialized applications may have even higher costs, sometimes doubling the price compared to basic fiber-coupled modules.

Factors Affecting Price

- o Output power: Higher wattage diodes are more expensive.
- o Package type: SMT, TO-can, or fiber-coupled modules vary in cost.
- o Manufacturer: Prices differ significantly between brands like Osram, Würth Elektronik, or AeroDIODE.
- o Additional features: Integrated cooling, monitoring photodiodes, or turnkey driver solutions increase the price.

Summary

- o Low-power diodes: GBP5-GBP20
- o Medium-power modules: GBP50-GBP200
- o High-power/fiber-coupled modules: GBP200-GBP500+ For precise pricing, it is recommended to check suppliers like Farnell UK, RS Components, or AeroDIODE, as stock availability and manufacturer options can affect the final cost.

How much does a 940nm laser diode cost in the UK

CNI provides free space laser diode, with single mode and multimode

Mouser offers inventory, pricing, & datasheets for Laser Diodes.

Laser was delivered in a polite little box this morning- extremely well packaged, and exactly as described. Its not my

940nm Laserdioden kaufen. Farnell Deutschland bietet eine schnelle Angebotserstellung, Versand am gleichen Werktag, eine

940nm Laser Diodes 940nm IR Laser Diodes The single mode 940 nm laser diodes can reach high power in nanosecond pulse

Our vast selection of laser diodes includes both free-space & fiber-coupled outputs, like high-power Fiber-Coupled Multimode, high

Focusable Dot 940nm 60mw Infrared Laser Diode Module. 1x 940nm 60mw Dot Laser Diode Module. Output Power:

Laser diodes are available at Mouser Electronics from industry leading manufacturers. Mouser is an authorized distributor for many

Buy VSLB4940 Vishay VSLB4940 940 nm High Speed Infrared Emitting Diode Leaded Through Hole package . Browse our latest IR

Buy Osram Opto PLPVQ 940A IR Laser Diode 940nm, 2-Pin SMT package . Browse our latest Laser Diodes offers. Free Next Day

Shop Chanzon 100 pcs 5mm 940nm IR Emitter LED Diode Lights (Clear Round Infrared 940 nm DC 1.2V 30mA 100mW) Lighting

Pigtailed Laser Diode Modules are available with VIS and NIR wavelengths ranging from 405 to 1550nm, with output powers ranging

These single mode and multi mode fiber-coupled 940 nm laser diodes are offered as stock items or associated with a CW or pulsed

Buy 940nm Laser Diodes. Farnell's UK offers fast quotes, same day dispatch, fast delivery, wide inventory, datasheets & technical

How much does a 940nm laser diode cost in the UK

Data Sheet 940nm 30W Uncooled Multimode Laser Diode Module
TY-940+/-10NM-30.0W-25C-1550-0.22NA SkyEra delivers TY

940nm multimode laser diode Multimode laser diodes offer higher output power than single-mode laser diodes. For applications

Web: <https://www.morwarreconst.co.za>

