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47 x 51mm Laser Diode Mirror



Stock #31-496 **15 In Stock**

- 1 + €45⁵⁰

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Volume Pricing	
Qty 1-10	€45,50 each
Qty 11-24	€35,00 each
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i Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Flat Mirror **Type:**

Physical & Mechanical Properties

6.35 **Thickness (mm):**

47.0 x 51.0 **Dimensions (mm):**

±0.25 **Dimensional Tolerance (mm):**

51.00 **Length (mm):**

47.00 **Width (mm):**

Optical Properties

Dielectric **Coating Type:**

Dielectric Mirror (500-700nm) **Coating:**

633 **Design Wavelength DWL (nm):**

Float Glass **Substrate:**

R_{abs} >97% @ 633nm **Coating Specification:**

80-50 **Surface Quality:**

Environmental & Durability Factors

ML-C-48497A **Durability:**

Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Compliant](#) **Reach 247:**

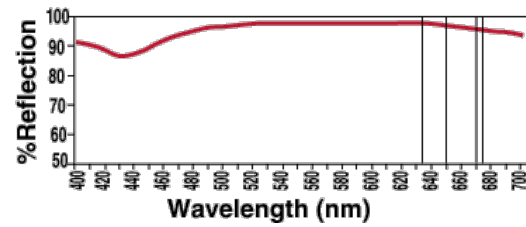
Product Details

- Over 95% Reflectance of Visible Laser Diode Light
- Ideal for Multiple Reflection Systems
- Coating Optimized for 633nm at 45° AOI

Visible Laser Diode Mirrors are specially coated to attain maximum reflection of visible laser diodes. Optimized for 633nm at a 45° angle of incidence, these mirrors provide 97% reflectance versus only 85 - 90% for standard first surface mirrors. This reduced loss is particularly important in multiple reflection systems, where loss can significantly impact system efficiency. Visible Laser Diode Mirrors feature a float glass substrate and are ideal for multiple reflection systems.

Technical Information

Visible Laser Diode Mirror Reflectance at 45°



@ 500nm	95.0%
@ 550nm	97.0%
@ 600nm	97.5%
@ 633nm	97.0%
@ 635nm	97.0%
@ 650nm	96.5%
@ 670nm	96.0%
@ 675nm	95.0%
@ 700nm	94.5%

Quote Your Size

Compatible Mounts
