

## 47 x 51mm Laser Diode Mirror



Stock #31-496 **14 In Stock**

- 1 + A\$72.<sup>80</sup>

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Volume Pricing	
Qty 1-10	A\$72.80 each
Qty 11-24	A\$56.00 each
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### 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	<b>Length (mm):</b>
47.00	<b>Width (mm):</b>
<b>Optical Properties</b>	
Dielectric	<b>Coating Type:</b>
Dielectric Mirror (500-700nm)	<b>Coating:</b>
633	<b>Design Wavelength DWL (nm):</b>
Float Glass	<b>Substrate:</b> □
R <sub>abs</sub> >97% @633nm	<b>Coating Specification:</b>
80-50	<b>Surface Quality:</b>

<b>Environmental &amp; Durability Factors</b>	
ML-C-48497A	<b>Durability:</b>

<b>Regulatory Compliance</b>	
<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Compliant</a>	<b>Reach 247:</b>

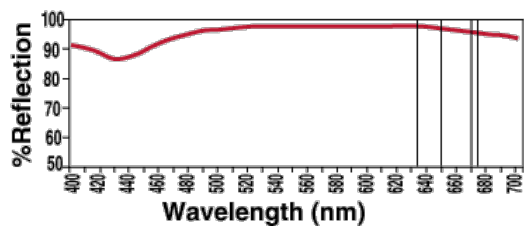
## Product Details

- 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%

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