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50.8mm Dia., Gold Coated, Aluminum Substrate Mirror



Metal Substrate Mirrors

Stock #47-118 **10 In Stock**

⊖ 1 ⊕ £377⁰⁰

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Volume Pricing

Qty 1-5	£377.60 each
Qty 6-25	£339.20 each
Qty 26-49	£320.80 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Flat Mirror **Type:**

Physical & Mechanical Properties

50.80 +0.00/-0.38 **Diameter (mm):**

Thickness (mm):

9.50

Clear Aperture (%):

90

Surface Roughness (\square):

<175

Optical Properties

Wavelength Range (μm):

0.7 - 12

Coating Type:

Metal

Coating:

Protected Gold (700-12000nm)

Wavelength Range (nm):

700 - 12000

Substrate: \square

Aluminum 6061-T6

Coating Specification:

$R_{\text{avg}} > 94\%$ @ 700 - 800nm
 $R_{\text{avg}} > 97\%$ @ 800 - 2000nm
 $R_{\text{avg}} > 98\%$ @ 2 - 12 μm

Surface Quality:

80-50

Surface Flatness (RMS):

$\lambda/4$

Threading & Mounting

Mounting Threads:

6-32 TPI Tapped Holes

Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

[View](#)

Reach 247:

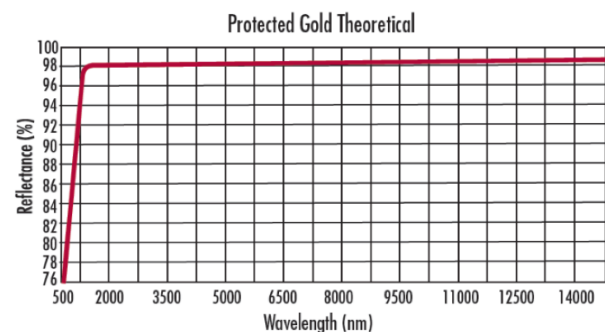
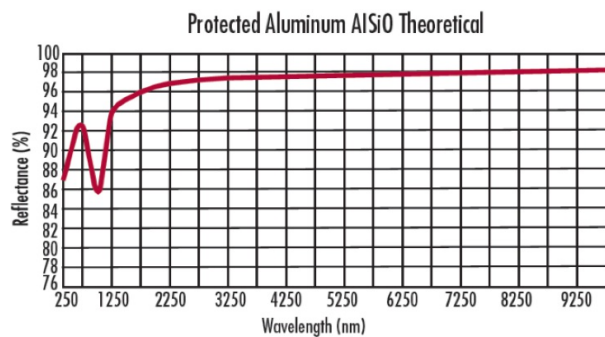
Compliant

Product Details

- Aluminum Substrate Mirrors
- Ideal for LWMR Laser Applications
- Aluminum and Gold Coating Options

Metal Substrate Mirrors are available with either a protected aluminum or gold coating and are ideal for LWMR (greater than 2000nm) laser applications. Due to the 17.5nm roughness of the diamond turned surface, these mirrors may not be suitable for UV and visible applications that require low scatter. The backs of the mirrors are machined flat and are tapped with 3 holes for easy, accurate mounting. Metal Substrate Mirrors are aluminum substrate, diamond turned metal mirrors. These mirrors are available in five diameters: 25.4, 38.1, 50.8, 76.2, and 101.6mm.

Technical Information



Compatible Mounts

