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76.2mm Dia., Gold Coated, Aluminum Substrate Mirror



Stock #47-120 **6 In Stock**

£588⁰⁰

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Volume Pricing	
Qty 1-5	£588.00 each
Qty 6-25	£532.00 each
Qty 26-49	£500.00 each
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Product Downloads

General

Flat Mirror **Type:**

Physical & Mechanical Properties

Diameter (mm):

76.20 +0.00/-0.38

12.70 **Thickness (mm):**

90 **Clear Aperture (%):**

<175 **Surface Roughness (\square):**

Optical Properties

0.7 - 12 **Wavelength Range (μm):**

Metal **Coating Type:**

Protected Gold (700-12000nm) **Coating:**

700 - 12000 **Wavelength Range (nm):**

Aluminum 6061-T6 **Substrate:**

Coating Specification:
R_{avg} >94% @ 700 - 800nm
R_{avg} >97% @ 800 - 2000nm
R_{avg} >98% @ 2 - 12 μm

80-50 **Surface Quality:**

$\lambda/2$ **Surface Flatness (RMS):**

Threading & Mounting

8-32 TPI Tapped Holes **Mounting Threads:**

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

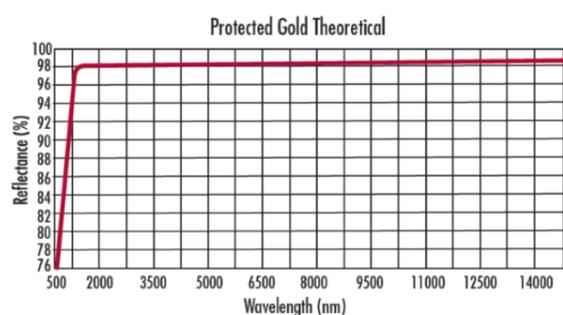
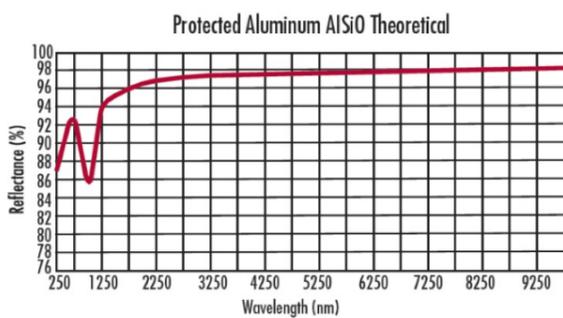
Reach 247:
Compliant

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
