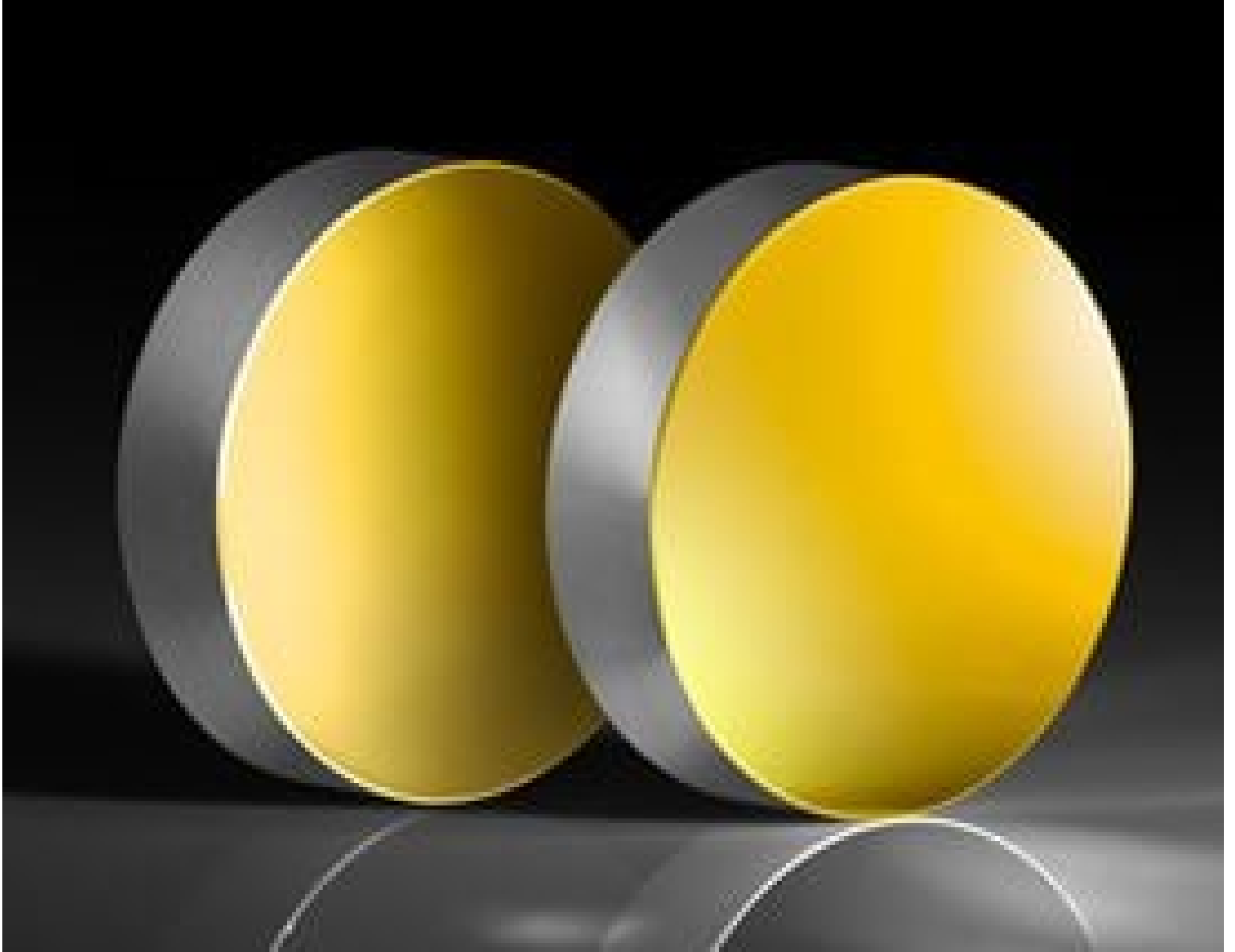


12.7mm Dia., Protected Gold Coated, ISP Optics $\lambda/4$ Mirror | P-MF-AU-12

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General

Flat Mirror Type:
P-MF-AU-12 Model Number:

Physical & Mechanical Properties

12.70 +0.00/-0.13 Diameter (mm):
Thickness (mm):

6.35 ±0.20

Fine Grind **Back Surface:**

11.43 **Clear Aperture CA (mm):**

Fine Ground **Edges:**

Optical Properties

Metal **Coating Type:**

Protected Gold (3000-5000nm) **Coating:**

$\lambda/4$ **Surface Flatness (P-V):**

3000 - 5000 **Wavelength Range (nm):**

Pyrex **Substrate:**

$R_{avg} \geq 95\%$ @ 3000 - 5000nm **Coating Specification:**

40-20 **Surface Quality:**

Regulatory Compliance

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

Product Details

- Pyrex® Mirror Substrates
- Protected Gold Coating
- Ideal for LWIR Applications

ISP Optics Gold Coated Mirrors feature a protected gold coating on a Pyrex® mirror substrate with an operating wavelength range of 0.7 – 12µm. Protected gold is the most efficient reflective coating over the entire Infrared (IR) wavelength range. In addition, Pyrex® is a low-expansion material, making it relatively insensitive to temperature changes. As such, ISP Optics Gold Coated Mirrors are ideal for a wide range of IR applications. A protective dielectric overcoat is deposited over the gold to protect the fragile coating from damage and to make cleaning and handling easier.