

[See all 3 Products in Family](#)

## 25mm Dia. x 1.0mm Thickness Silicon Substrate Gold Mirror



Silicon Substrate Gold Mirror

Stock #33-247 **3 In Stock**

€257<sup>00</sup>

**ADD TO CART**

### Volume Pricing

Qty 1-5	€257,00 each
Qty 6+	€205,00 each
Need More?	<a href="#">Request Quote</a>

ⓘ Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Flat Mirror Type:

### Physical & Mechanical Properties

25.00 +0.0/-0.1 Diameter (mm):

1.00 ±0.1 Thickness (mm):

Commercial Polish **Back Surface:**

90.00 **Clear Aperture (%):**

## Optical Properties

Protected Gold (700-2000nm) **Coating:**

1λ **Surface Flatness (P-V):**

700 - 2000 **Wavelength Range (nm):**

Silicon (Si) **Substrate:** □

R<sub>avg</sub> >97% @ 800 - 2000nm **Coating Specification:**  
R<sub>avg</sub> >94% @ 700 - 800nm

60-40 **Surface Quality:**

0.8 J/cm<sup>2</sup> @ 1064nm, 10ns **Damage Threshold, Reference:** □

## Regulatory Compliance

**Compliant** **RoHS 2015:**

**View** **Certificate of Conformance:**

**Compliant** **Reach 247:**

## Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## Product Details

- Excellent Thermal Stability
- Ideal for Weight Sensitive Applications
- Increased Durability over Glass Substrate Mirrors

Silicon Substrate Gold Mirrors are specifically designed for integration into the most weight-sensitive applications, such as heads-up displays. The thermal stability of the lightweight silicon substrate makes these optical mirrors an excellent solution for applications operating within the near-infrared or infrared regions. Silicon Substrate Gold Mirrors feature increased durability over traditional glass substrate mirrors, and the protected gold metallic coating provides an average reflectivity greater than 97%.

## Compatible Mounts