

50mm Dia. x 1.0mm Thickness Silicon Substrate Gold Mirror



Silicon Substrate Gold Mirror

Stock **#33-248** **2 In Stock**

-

1

+

₹28,415

ADD TO CART

Volume Pricing	
Qty 1-5	₹28,415 each
Qty 6+	₹22,654 each
Need More?	Request Quote

Product Downloads

General

Flat Mirror

Type:

Physical & Mechanical Properties

50.00 +0.0/-0.1

Diameter (mm):

1.00 ±0.1

Thickness (mm):

Back Surface:

Commercial Polish	
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 _{avg} >97% @ 800 - 2000nm R _{avg} >94% @ 700 - 800nm	Coating Specification:
60–40	Surface Quality:
0.8 J/cm ² @ 1064nm, 10ns	Damage Threshold, Reference: □

Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:
United States	Country of Origin:
Edmund Optics India Private Limited	Imported By:

Need different specs or modifications?

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