

[See all 96 Products in Family](#)

**TECHSPEC® 25 x 25mm Protected Gold Coated, N/10 ZERODUR® Mirror**

See More by [SCHOTT Optical Components](#)



Stock #39-867 **1 In Stock**

⊖ 1 ⊕ A\$262<sup>40</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	A\$262.40 each
Qty 6-25	A\$209.60 each
Qty 26-49	A\$196.80 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Flat Mirror **Type:**

**Physical & Mechanical Properties**

Commercial Polish **Back Surface:**

25.0 x 25.0 +0.00/-0.20 **Dimensions (mm):**

Protective as needed	<b>Bevel:</b>
90	<b>Clear Aperture (%):</b>
Ground	<b>Edges:</b>
30	<b>Parallelism (arcsec):</b>
4.00 ±0.20	<b>Thickness (mm):</b>
25.00	<b>Length (mm):</b>
25.00	<b>Width (mm):</b>

## Optical Properties

λ/10	<b>Surface Flatness (P-V):</b>
ZERODUR®	<b>Substrate:</b> <input type="checkbox"/>
20-10	<b>Surface Quality:</b>
R <sub>avg</sub> >96% @ 700 - 2000nm R <sub>avg</sub> >96% @ 2000 - 10,000nm	<b>Coating Specification:</b>
Protected Gold (700-10000nm)	<b>Coating:</b>
Metal	<b>Coating Type:</b>
700 - 10000	<b>Wavelength Range (nm):</b>
0.8 J/cm <sup>2</sup> @ 1064nm, 10ns	<b>Damage Threshold, Reference:</b> <input type="checkbox"/>

## Material Properties

0.1	<b>Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):</b>
-----	---

## Regulatory Compliance

Compliant	<b>RoHS 2015:</b>
View	<b>Certificate of Conformance:</b>
Compliant	<b>Reach 247:</b>

## Product Details

- Precision ZERODUR® Substrates
- λ/10 Flatness
- Low Coefficient of Thermal Expansion

TECHSPEC® ZERODUR® λ/10 First Surface Mirrors are well suited for applications where temperature fluctuation is a concern. The ZERODUR® substrates have a coefficient of thermal expansion (CTE) of  $\pm 0.10 \times 10^{-6}/^{\circ}\text{C}$ , which is an order of magnitude lower than most glass types. The low CTE allows these mirrors to have a consistent reflected wavefront, even when exposed to environments with varying temperature or illumination sources with changing intensity. TECHSPEC® ZERODUR® λ/10 First Surface Mirrors feature precision polished substrates with λ/10 flatness and 20-10 surface quality. Multiple metallic and enhanced metallic coating options are available, allowing for these mirrors to be easily integrated into applications in both the visible and infrared spectrum.

**Note:** Surface flatness is measured before coating.

## 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](#).

## Compatible Mounts