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TECHSPEC® 30 x 30mm UV-Enhanced Aluminum Coated, λ/10 ZERODUR® Mirror

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TECHSPEC ZERODUR λ/10 First Surface Mirrors

Stock **#17-763** **4 In Stock**

- 1 + **S$246.40**

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Volume Pricing	
Qty 1-5	**S$246.40** each
Qty 6-25	**S$197.40** each
Qty 26-49	**S$184.80** each
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Product Downloads

General

Type:

Flat Mirror

Physical & Mechanical Properties

Thickness (mm):

5.00 ±0.20

Dimensions (mm):

30.0 x 30.0 +0.00/-0.20

Back Surface:
Commercial Polish

Bevel:
Protective as needed

Clear Aperture (%):
90

Edges:
Ground

Length (mm):
30.00

Width (mm):
30.00

Parallelism (arcsec):
30

Optical Properties

Coating Type:
Metal

Coating:
Enhanced Aluminum (250-700nm)

Surface Flatness (P-V):
λ/10

Wavelength Range (nm):
250 - 700

Substrate:
ZERODUR®

Coating Specification:
R_{avg} >89% @ 250 - 450nm
R_{avg} >85% @ 250 - 700nm

Surface Quality:
20-10

Damage Threshold, Reference:
0.5 J/cm^2 @ 355nm, 10ns

Material Properties

Coefficient of Thermal Expansion CTE (10^{-6}/°C):
0.1

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 247:
Compliant

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

- 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 ±0.10 x 10^{-6}/°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.

Compatible Mounts

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