

TECHSPEC®

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

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TECHSPEC ZERODUR λ/10 First Surface Mirrors

Stock #24-266 **1 In Stock**

- 1 +

MRP ₹10,038

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-5	₹10,038 each
Qty 6-25	₹8,020 each
Qty 26-49	₹7,517 each
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Product Downloads

- STEP:step
- Curve:pdf
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

General

Type: Flat Mirror

Physical & Mechanical Properties

Thickness (mm):	2.00 ±0.20	Dimensions (mm):	10.0 x 10.0 +0.00/-0.20
Back Surface:	Commercial Polish	Bevel:	Protective as needed
Clear Aperture (%):	90	Edges:	Ground
Length (mm):	10.00	Width (mm):	10.00
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 ($10^{-6}/^{\circ}\text{C}$): 0.1

Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: **View**

Reach 247: **Compliant**

Country of Origin: United States

Imported By: Edmund Optics India Private Limited
267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038
Phone: +91-80-6845 0000

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](#).

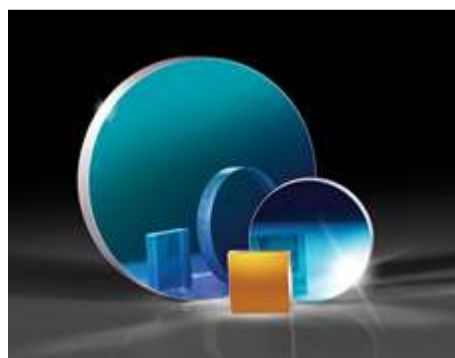
Product Details

- Precision ZERODUR® Substrates
- $\lambda/10$ Flatness
- Low Coefficient of Thermal Expansion

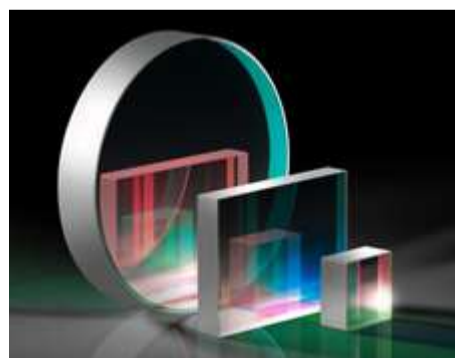
TECHSPEC® ZERODUR® $\lambda/10$ First Surface Mirrors are well suited for applications where temperature fluctuation is a concern. The ZERODUR® substrates have a coefficient of thermal expansion (CTE) of $\pm 0.10 \times 10^{-6}/^{\circ}\text{C}$, which is an order of magnitude lower than most glass 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® $\lambda/10$ First Surface Mirrors feature precision polished substrates with $\lambda/10$ 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.

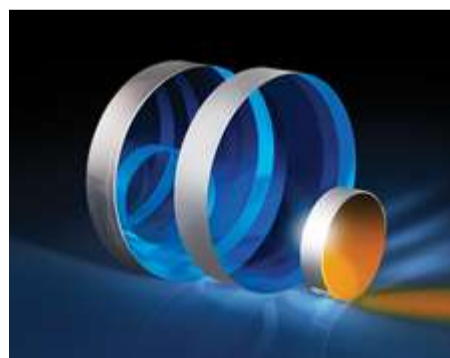
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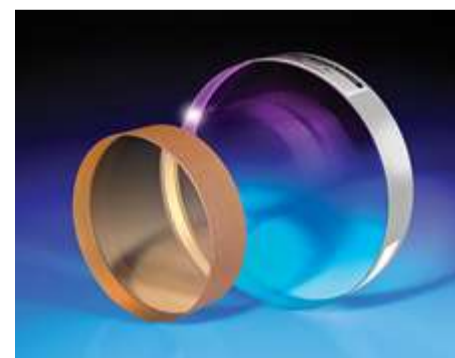
$\lambda/10$ First Surface Mirrors



Broadband Dielectric $\lambda/10$ Mirrors



Precision Optical Flat Mirrors



Single Surface Optical Flats

Resources

Media Type

- Application Note
- Video
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- Glossary

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APPLICATION NOTE
Metallic Mirror Coatings

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