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TECHSPEC<sup>®</sup> 25.4mm Dia. Enhanced Aluminum Coated,  $\lambda$ /10 ZERODUR<sup>®</sup> Mirror

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TECHSPEC ZERODUR  $\lambda$ /10 First Surface Mirrors

Stock **#17-754** 2 In Stock

-

1

+

€146<sup>.00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €146,00 each                  |
| Qty 6-25       | €117,00 each                  |
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Flat Mirror

Type:

Physical & Mechanical Properties

25.40 +0.00/-0.20

Diameter (mm):

|                      |                       |
|----------------------|-----------------------|
| Commercial Polish    | Back Surface:         |
| Protective as needed | Bevel:                |
| 90                   | Clear Aperture (%):   |
| Ground               | Edges:                |
| 30                   | Parallelism (arcsec): |
| 6.35 ±0.20           | Thickness (mm):       |

Optical Properties

|                                     |                                |
|-------------------------------------|--------------------------------|
| <i>λ</i> /10                        | Surface Flatness (P-V):        |
| ZERODUR®                            | Substrate: □                   |
| 20-10                               | Surface Quality:               |
| R <sub>avg</sub> >95% @450 - 650nm  | Coating Specification:         |
| Enhanced Aluminum (450-650nm)       | Coating:                       |
| Metal                               | Coating Type:                  |
| 450 - 650                           | Wavelength Range (nm):         |
| 0.2 J/cm <sup>2</sup> @ 532nm, 10ns | Damage Threshold, Reference: □ |

Material Properties

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

Regulatory Compliance

|           |                             |
|-----------|-----------------------------|
| Compliant | RoHS 2015:                  |
| View      | Certificate of Conformance: |
| Compliant | Reach 247:                  |

## 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<sup>-6</sup>/°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.

## Coating Curves

## 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

