

**TECHSPEC® Elliptical Mirror, 22.23mm Minor Axis, 750 - 1100nm**



Stock #72-952 **20+ In Stock**

⊖ 1 ⊕ **A\$214<sup>00</sup>**

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**General**

Flat Mirror **Type:**

Flatness specification is Peak to Valley **Note:**

**Physical & Mechanical Properties**

±0.030 **Thickness Tolerance (inches):**

6.35 ±0.76 **Thickness (mm):**

**Clear Aperture CA (mm):**  
20.02 (Minor Axis) 28.27 (Major Axis)

**Dimensional Tolerance (inches):**  
±0.015

**Dimensional Tolerance (mm):**  
±0.38

**Major Axis (mm):**  
31.42

**Minor Axis (mm):**  
22.23

## Optical Properties

**Coating Type:**  
Dielectric

**Coating:**  
Dielectric Mirror (750-1100nm)

**Surface Flatness (P-V):**  
λ/8

**Wavelength Range (nm):**  
750 - 1100

**Substrate:**   
BOROFLOAT®

**Coating Specification:**  
R<sub>avg</sub> >98% @ 750 - 1100nm (0 - 45°)  
R<sub>avg</sub> >99% @ 750 - 1100nm (0°)

**Surface Quality:**  
60-40

**Damage Threshold, By Design:**   
1 J/cm<sup>2</sup> @ 1064nm, 20ns, 20Hz

## Regulatory Compliance

**Certificate of Conformance:**  
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## Product Details

- Circular Profile When Oriented at 45°
- Average Reflectivity >99% Over Broad UV, Visible, and NIR Wavelengths
- Enhanced Reflectivity and LIDT over Metallic Coatings

TECHSPEC® Broadband Dielectric Elliptical Flat Mirrors are ideal for research and astronomical applications. Because of their elongated major axis, they are suited to bending and folding light at precise angles with minimum wavefront distortion. These mirrors feature greater than 99% reflection, significantly better than metal-coated mirrors, and increase system performance by minimizing energy loss. TECHSPEC® Broadband Dielectric Elliptical Flat Mirrors feature a BOROFLOAT® substrate and are available with minor axes up to 76.20mm and major axes up to 107.77mm