

TECHSPEC® Elliptical Mirror, 12.7mm Minor Axis, 320 - 450nm



Stock #72-933 **16 In Stock**

£107^{.20}

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Qty 1-5	£107.20 each
Qty 6+	£85.60 each
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Product Downloads

General

Flat Mirror Type:

Flatness specification is Peak to Valley Note:

Physical & Mechanical Properties

Thickness Tolerance (inches):
±0.020

3.81 ±0.51 **Thickness (mm):**

11.43 (Minor Axis) 16.15 (Major Axis) **Clear Aperture CA (mm):**

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

±0.38 **Dimensional Tolerance (mm):**

17.96 **Major Axis (mm):**

12.70 **Minor Axis (mm):**

Optical Properties

Dielectric **Coating Type:**

Dielectric Mirror (320-450nm) **Coating:**

λ/8 **Surface Flatness (P-V):**

320 - 450 **Wavelength Range (nm):**

BOROFLOAT® **Substrate:** □

Coating Specification:
R_{avg} >98% @ 340 - 488nm (0°, All Polarizations)
R_{avg} >98% @ 320 - 450nm (45°, All Polarizations)
R_{avg} >99% @ 320 - 450nm (45°, S-Polarization)

60-40 **Surface Quality:**

0.5 J/cm² @ 355nm, 20ns, 20Hz **Damage Threshold, By Design:** □

Regulatory Compliance

[View](#) **Certificate of Conformance:**

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