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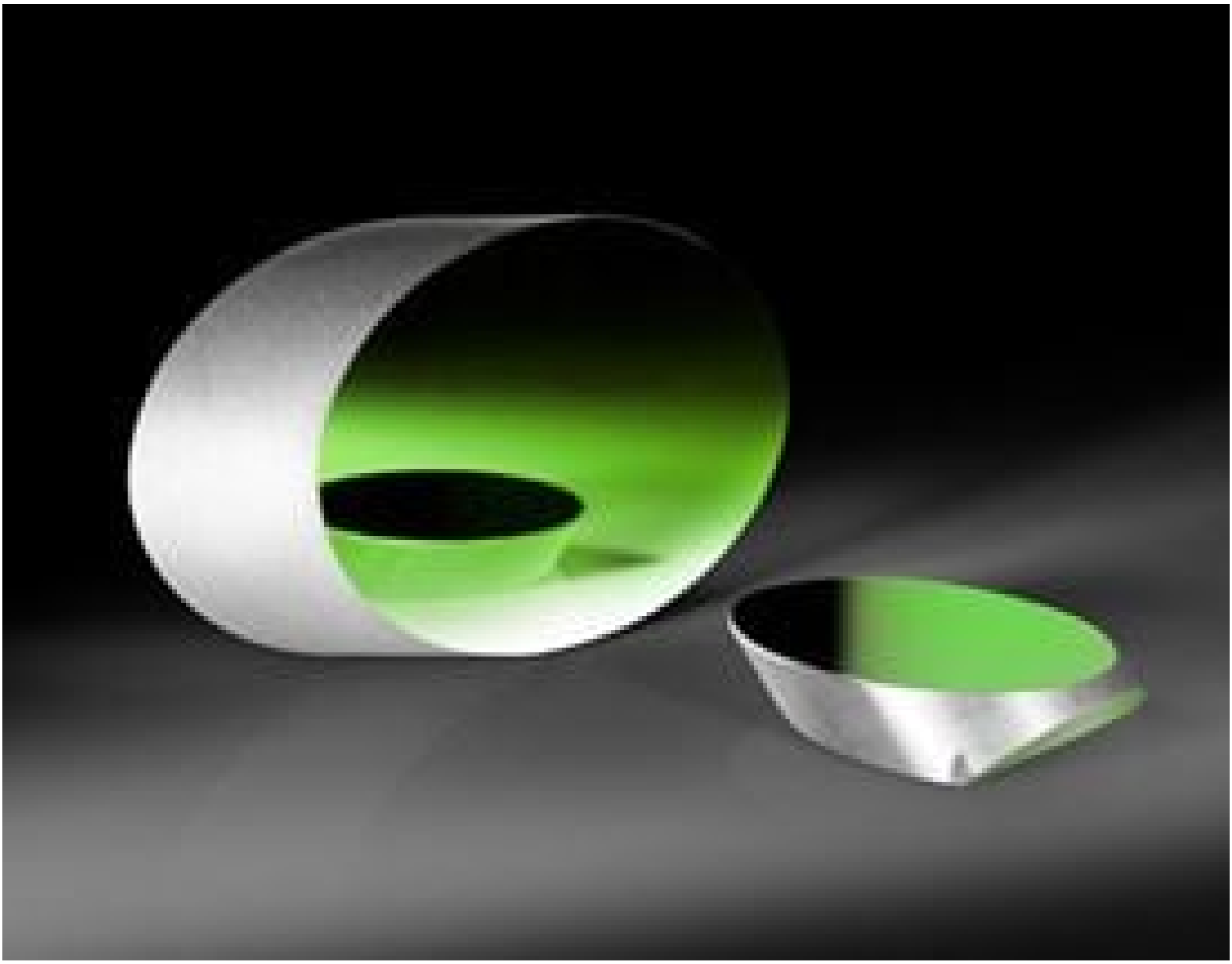
TECHSPEC® Elliptical Mirror, 76.2mm Minor Axis, 320 - 450nm



Stock **#72-941** **4 In Stock**

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Qty 1-5	**A$1,112.00** each
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General

Type:
Flat Mirror

Note:
Flatness specification is Peak to Valley

Physical & Mechanical Properties

Thickness Tolerance (inches):
±0.060

Thickness (mm):
19.05 ±1.52

Clear Aperture CA (mm):
68.58 (Minor Axis) 97.00 (Major Axis)

Dimensional Tolerance (inches):
±0.020

Dimensional Tolerance (mm):
±0.50

Major Axis (mm):
107.77

Minor Axis (mm):
76.20

Optical Properties

Coating Type:
Dielectric

Coating:
Dielectric Mirror (320-450nm)

Surface Flatness (P-V):
λ/8

Wavelength Range (nm):
320 - 450

Substrate:
BOROFLOAT®

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)

Surface Quality:
60-40

Damage Threshold, By Design:
0.5 J/cm^2 @ 355nm, 20ns, 20Hz

Regulatory Compliance

Certificate of Conformance:
View

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

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