

[See all 60 Products in Family](#)

TECHSPEC® 3" Dia, 6" FL 750-1100nm, Spherical Mirror



Stock **#73-025** **2 In Stock**

⊖ 1 ⊕ £343²⁰

ADD TO CART

Volume Pricing	
Qty 1-5	£343.20 each
Qty 6-24	£273.60 each
Need More?	Request Quote

! Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Spherical Mirror **Type:**

Physical & Mechanical Properties

76.20 +1.0/-0 **Diameter (mm):**

Ground	Back Surface:
3.0	Diameter (inches):
+0.04/-0	Diameter Tolerance (inches):
0.50	Edge Thickness ET (inches):
12.70	Edge Thickness ET (mm):
+0.0/-15	Edge Thickness Tolerance (%):

Optical Properties

Dielectric	Coating Type:
Dielectric Mirror (750-1100nm)	Coating:
750 - 1100	Wavelength Range (nm):
152.40	Effective Focal Length EFL (mm):
BOROFLOAT®	Substrate: <input type="checkbox"/>
f/2	Aperture (f/#):
R _{avg} >98% @ 750 - 1100nm (0 - 45°) R _{avg} >99% @ 750 - 1100nm (0°)	Coating Specification:
6.00	Effective Focal Length EFL (inches):
±2	Focal Length Tolerance (%):
λ/4	Surface Accuracy:
60-40	Surface Quality:
1 J/cm ² @ 1064nm, 20ns, 20Hz	Damage Threshold, By Design: <input type="checkbox"/>
304.80	Radius of Curvature (mm):

Regulatory Compliance

View	Certificate of Conformance:
----------------------	------------------------------------

Product Details

- Ideal for Multispectral Focusing Applications
- Average Reflectivity >99% Over Broad UV, Visible, and NIR Wavelengths
- Multiple Sizes Available

TECHSPEC® Broadband Dielectric Spherical Mirrors are ideal for light collection in multispectral imaging applications. These mirrors feature greater than 99% reflection, significantly better than metal-coated mirrors, and increase system performance by minimizing energy loss. A BOROFLOAT® substrate provides a good combination of performance and value. TECHSPEC® Broadband Dielectric Spherical Mirrors are available in diameters ranging from 25.4 to 152.4mm for ease of system integration. These mirrors collect and focus light without introducing chromatic aberration.

Technical Information



;