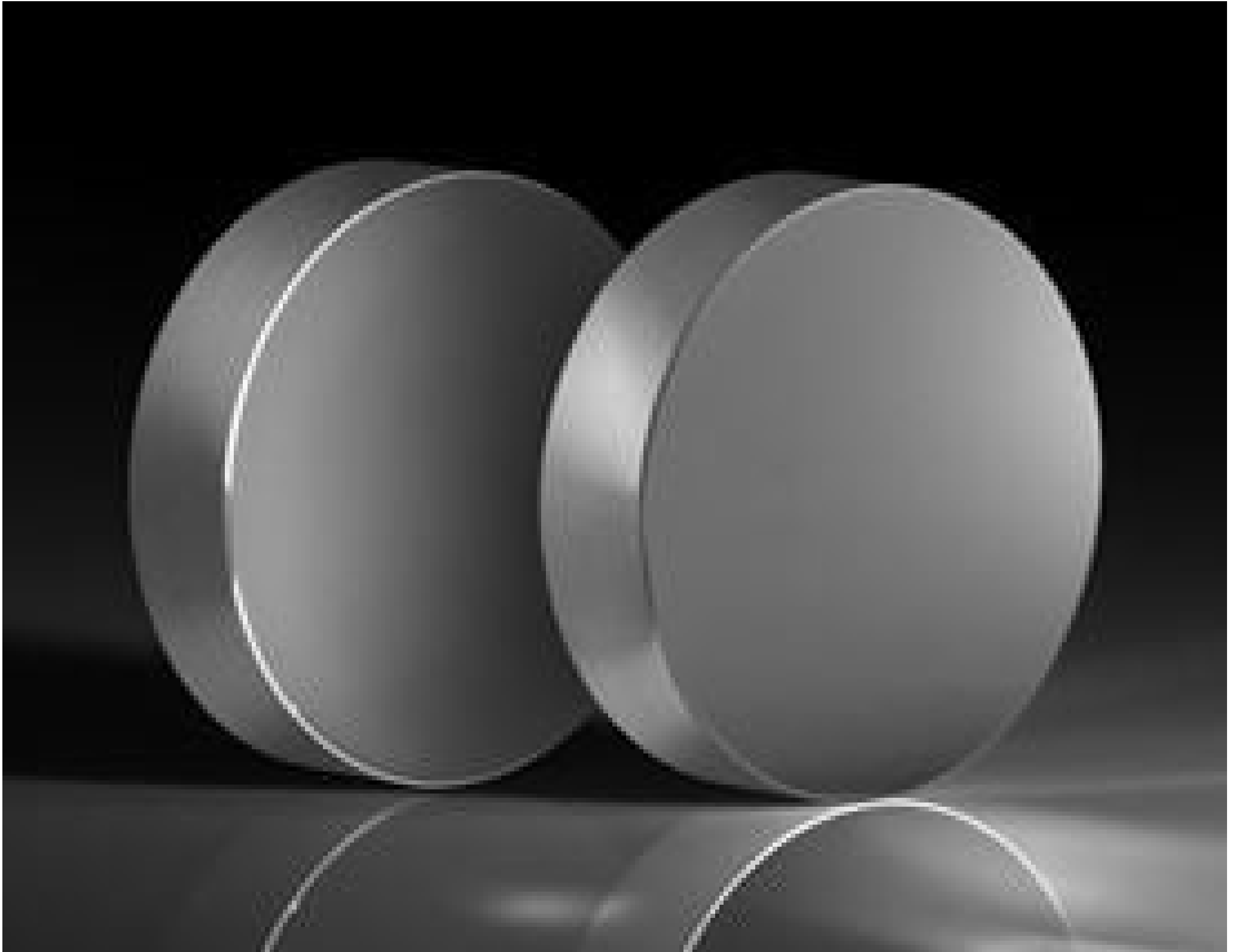


[See all 8 Products in Family](#)

TECHSPEC® 25.4mm Dia., 25mm FL, Vacuum UV (VUV) Spherical Mirror



Stock #24-056 **6 In Stock**

- 1 + MRP ₹41,870

● Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-5	₹41,870 each
Qty 6-25	₹33,495 each
Qty 26-49	₹31,377 each
Need More?	Request Quote

Product Downloads

General

Concave Mirror **Type:**

Physical & Mechanical Properties

25.40 +0.00/-0.20 **Diameter (mm):**

Fine Grind **Back Surface:**

Center Thickness CT (mm):

4.71

Clear Aperture (%):

90

Edge Thickness ET (mm):

6.35 ±0.10

Optical Properties

Coating Type:

Metal

Coating:

Enhanced Aluminum (120-600nm)

Wavelength Range (nm):

120 - 600

Design Wavelength DWL (nm):

120

Effective Focal Length EFL (mm):

25.00

Substrate:

[Fused Silica](#) (Corning 7980)

Coating Specification:

R_{avg} ≥78% @ 120 - 125nm
R_{avg} ≥85% @ 120 - 600nm

Radius R₁ (mm):

50.00

Surface Quality:

20-10

Irregularity (P-V) @ 632.8nm:

λ/10

Radius of Curvature (mm):

50.00

Material Properties

Vacuum Compatibility:

10⁻⁷ Torr

Regulatory Compliance

RoHS 2015:

[Compliant](#)

Certificate of Conformance:

[View](#)

REACH 241:

[Compliant](#)

Country of Origin:

United States

Imported By:

Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

Need different specs or modifications?

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](#).

Product Details

- 120nm and 190nm Design Wavelengths
- Ideal for Focusing VUV or DUV Light
- Broadband Reflectivity through the Visible and IR
- Also Available as [Precision Flat Mirrors](#)

TECHSPEC® Precision Spherical Ultraviolet (UV) Mirrors feature Enhanced Deep UV (DUV) or Vacuum UV (VUV) enhanced metallic coatings on high precision concave laser mirror substrates. The VUV coating is designed for peak reflectivity at 120nm and the Enhanced DUV coating at 190nm; both coatings provide similar reflectivity to standard enhanced aluminum coatings outside of UV wavelengths. These coatings are vacuum compatible down to 10⁻⁷ Torr and are deposited on fused silica substrates, providing excellent resistance to temperature fluctuations. TECHSPEC® Precision Spherical Ultraviolet (UV) Mirrors are ideal for use in DUV spectrophotometers, inductively coupled plasma (ICP) spectrophotometers, or other VUV/UV-based analytical applications.

Note: These enhanced metallic coatings are relatively soft and can be easily damaged by fingerprints and aerosols.

Special Handling

These optics require special handling to avoid damage and ensure long-term performance. Proper handling, cleaning, and storage are essential to maintain optical quality. Explore our [Optics Cleaning Resources](#) for step-by-step guides and best practices. For personalized assistance, [Email us](#) or [Chat](#) with our technical support team.



Component Handling Tools

Compatible Mounts
