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TECHSPEC[®] 25mm Dia 0.42 NA, NIR Coated, UV Fused Silica Aspheric Lens



TECHSPEC UV Fused Silica Aspheric Lenses



Stock **#49-594** **5 In Stock**

☐ [Other Coating Options](#)

-

1

+

₹49,606

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-5	₹49,606 each
Qty 6-25	₹39,685 each
Qty 26-49	₹37,204 each
Need More?	Request Quote

Product Downloads

General

Aspheric Lens

Type:

Physical & Mechanical Properties

25.00 +0.0/-0.1	Diameter (mm):
≤5	Centering (arcmin):
22.5	Clear Aperture CA (mm):
2.21	Edge Thickness ET (mm):
8.50 ±0.1	Center Thickness CT (mm):
Protective as needed	Bevel:
Plano	Shape of Back Surface:

Optical Properties

30.00 @587.6nm	Effective Focal Length EFL (mm):
0.42	Numerical Aperture NA:
24.17	Back Focal Length BFL (mm):
Fused Silica (Corning 7980)	Substrate: □
587.6	Aspheric Design Wavelength (nm):
1.2λ	Asphere Figure Error, RMS @ 632.8nm:
NIR (600-1050nm)	Coating:
R _{avg} ≤1.5% @ 600 - 1050nm	Coating Specification:
60–40	Surface Quality:
1.2	f/#:
600 - 1050	Wavelength Range (nm):
Infinite	Conjugate Distance:
33.33	Power (diopters):

Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 235:
Singapore	Country of Origin:
Edmund Optics India Private Limited	Imported By:

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](#).

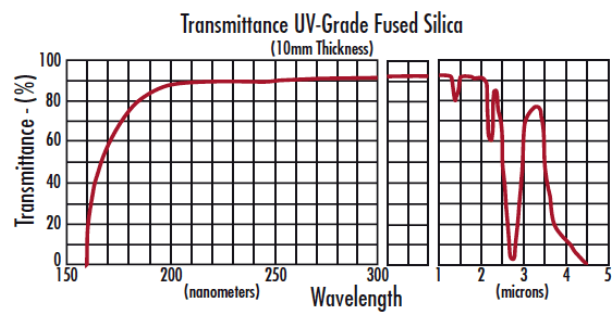
Product Details

- Low Coefficient of Thermal Expansion
- Precision and High Precision Options
- High Numerical Apertures to Maximize Throughput

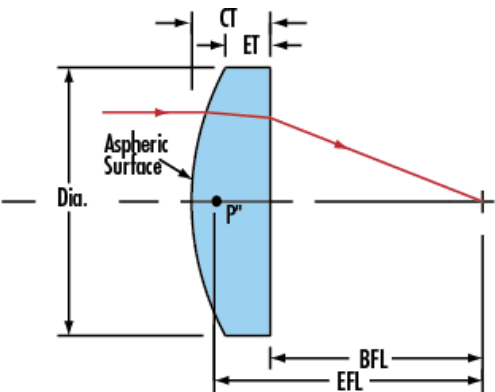
TECHSPEC® UV Fused Silica Aspheric Lenses offer the benefits of an aspheric element combined with the manufacturing precision of state-of-the-art grinding and polishing equipment. These fused silica optics can be easily designed and integrated into complex optical systems with the available prescription data. Featuring low f/#'s, which allow for a larger aperture and thus more light gathering and focusing performance, these fused silica lenses are

computer-optimized to eliminate spherical and minimize higher order aberrations. TECHSPEC® UV Fused Silica Aspheric Lenses offer a low coefficient of thermal expansion, making them ideal for applications in metrology, beam-focusing or collimating, and OEM integration. These lenses are available in a variety of coating options and are offered in sizes ranging from 10-50mm.

Technical Information



UV FS Transmission Curve



Compatible Mounts