

TECHSPEC® 25mm Dia 0.42 NA, Uncoated, UV Fused Silica Aspheric Lens



TECHSPEC UV Fused Silica Aspheric Lenses



Stock **#48-537** **20+ In Stock**

[Other Coating Options](#)

1 **\$776⁰²**

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Volume Pricing	
Qty 1-5	\$776.62 each
Qty 6-25	\$621.30 each
Qty 26-49	\$582.47 each
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SPECIFICATIONS

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:**

Uncoated **Coating:**

60-40 **Surface Quality:**

1.2 **f#:**

200 - 2200 **Wavelength Range (nm):**

Infinite **Conjugate Distance:**

33.33 **Power (diopters):**

Regulatory Compliance

Compliant **RoHS 2015:**

Compliant **Reach 219:**

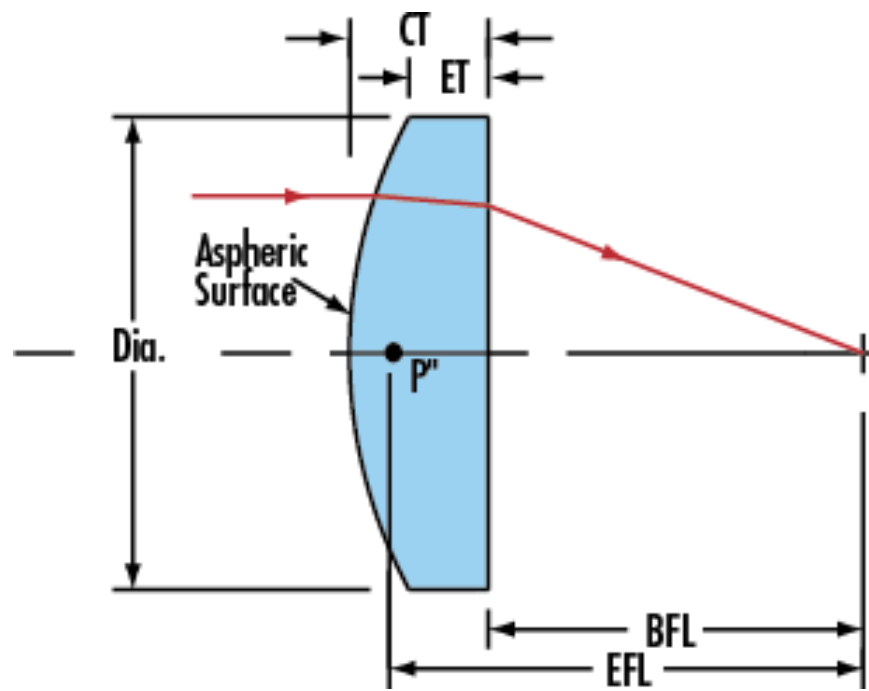
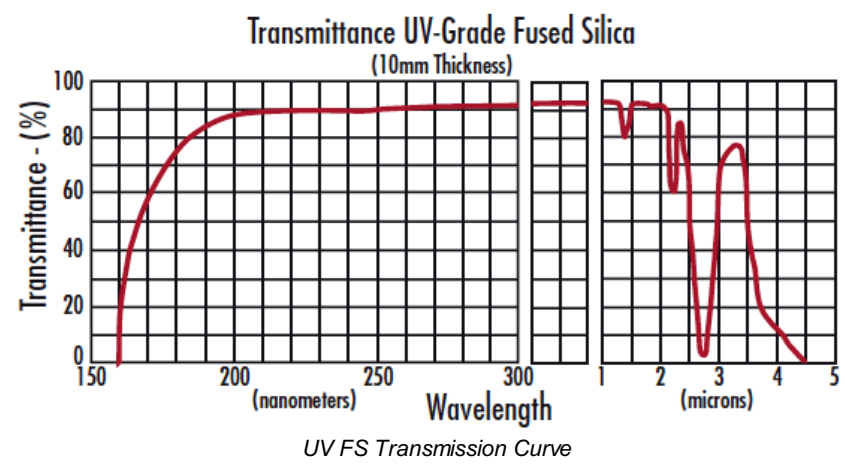
View **Certificate of Conformance:**

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



CUSTOM

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](#).

COMPATIBLE MOUNTS