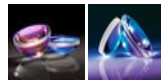


TECHSPEC® 50mm Dia 0.63 NA, NIR Coated, UV Fused Silica Aspheric Lens



TECHSPEC UV Fused Silica Aspheric Lenses



Stock #67-281 **17 In Stock**

[Other Coating Options](#)

⊖ 1 ⊕ £744¹⁸

ADD TO CART

Volume Pricing	
Qty 1-5	£744.18 each
Qty 6-25	£595.34 each
Qty 26-49	£555.94 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Aspheric Lens **Type:**

Physical & Mechanical Properties

50.00 +0.0/-0.1 **Diameter (mm):**

≤5 **Centering (arcmin):**

45 **Clear Aperture CA (mm):**

4.07 **Edge Thickness ET (mm):**

27.50 ±0.1 **Center Thickness CT (mm):**

Protective as needed **Bevel:**

Plano **Shape of Back Surface:**

Optical Properties

40.00 @ 587.6nm **Effective Focal Length EFL (mm):**

0.63 **Numerical Aperture NA:**

21.15 **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:**

$R_{avg} \leq 1.5\%$ @ 600 - 1050nm **Coating Specification:**

60-40 **Surface Quality:**

0.8 **f#:**

600 - 1050 **Wavelength Range (nm):**

Infinite **Conjugate Distance:**

25.00 **Power (diopters):**

Regulatory Compliance

Compliant **RoHS 2015:**

View **Certificate of Conformance:**

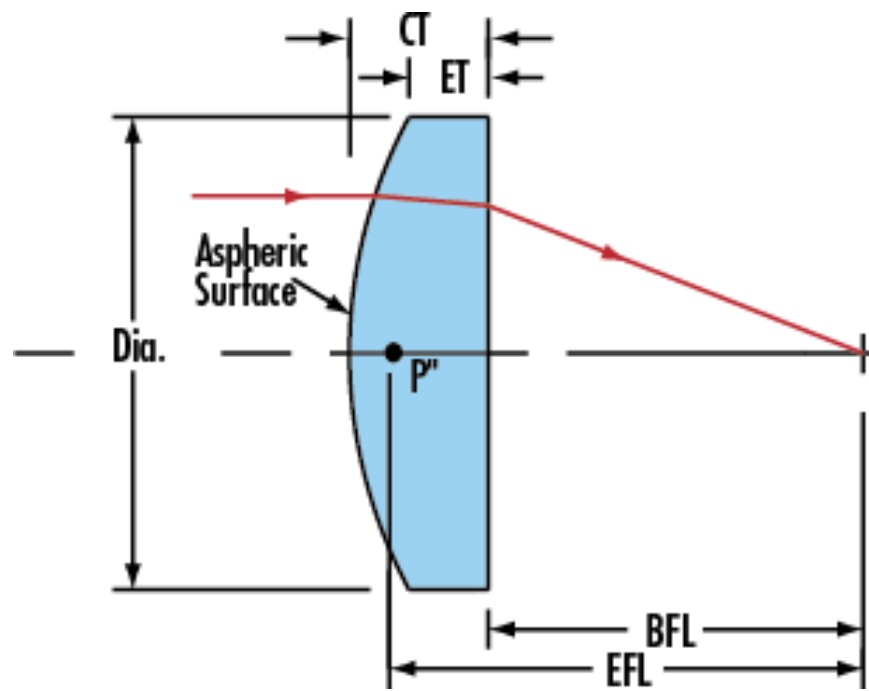
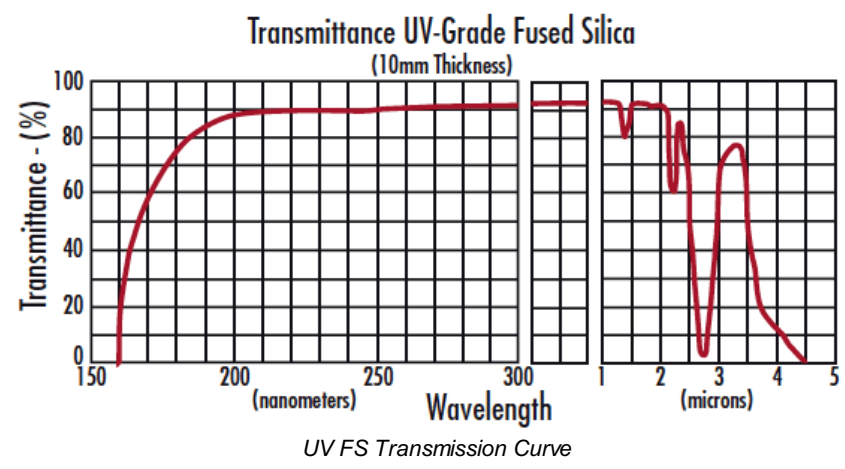
Compliant **Reach 235:**

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