

TECHSPEC<sup>®</sup> 25mm Dia 0.69 NA, VIS Coated, UV Fused Silica Aspheric Lens



TECHSPEC UV Fused Silica Aspheric Lenses



Stock **#33-961** **9 In Stock**

☐ [Other Coating Options](#)

-

1

+

C\$838<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | C\$838.60 each                |
| Qty 6-10       | C\$754.60 each                |
| Qty 11-25      | C\$704.20 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Type:

Aspheric Lens

Physical & Mechanical Properties

Diameter (mm):

|                           |                      |
|---------------------------|----------------------|
| 25.00 +0.0/-0.1           |                      |
| Centering (arcmin):       | ≤5                   |
| Clear Aperture CA (mm):   | 22.5                 |
| Edge Thickness ET (mm):   | 2.85                 |
| Center Thickness CT (mm): | 14.80 ±0.1           |
| Bevel:                    | Protective as needed |
| Shape of Back Surface:    | Convex               |

Optical Properties

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| Effective Focal Length EFL (mm):     | 17.50 @ 587.6nm                      |
| Numerical Aperture NA:               | 0.69                                 |
| Back Focal Length BFL (mm):          | 8.37                                 |
| Substrate: □                         | Fused Silica (Corning 7980)          |
| Aspheric Design Wavelength (nm):     | 587.6                                |
| Asphere Figure Error, RMS @ 632.8nm: | 1.2λ                                 |
| Coating:                             | VS (425-675nm)                       |
| Coating Specification:               | R <sub>avg</sub> ≤1.5% @ 425 - 675nm |
| Surface Quality:                     | 60-40                                |
| f/#:                                 | 0.7                                  |
| Radius R <sub>2</sub> (mm):          | 38.177                               |
| Wavelength Range (nm):               | 425 - 675                            |
| Conjugate Distance:                  | Infinite                             |
| Power (diopters):                    | 57.14                                |

Regulatory Compliance

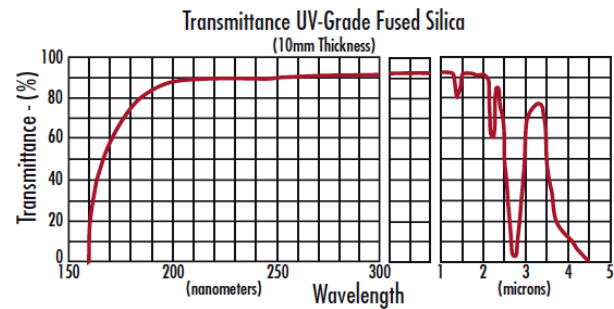
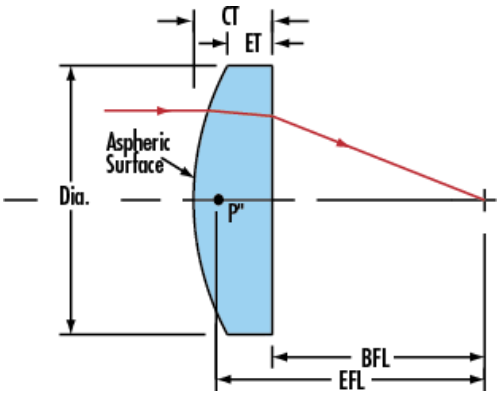
|                             |           |
|-----------------------------|-----------|
| RoHS 2015:                  | Compliant |
| Certificate of Conformance: | View      |
| Reach 235:                  | Compliant |

## 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

## 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