

TECHSPEC<sup>®</sup> 25mm Dia 0.50 NA, VIS Coated, UV Fused Silica Aspheric Lens



TECHSPEC UV Fused Silica Aspheric Lenses



Stock #49-589 14 In Stock

[Other Coating Options](#)

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1

+

**A\$958<sup>40</sup>**

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | <b>A\$958.40</b> each         |
| Qty 6-10       | <b>A\$862.40</b> each         |
| Qty 11-25      | <b>A\$804.80</b> each         |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

SPECIFICATIONS

General

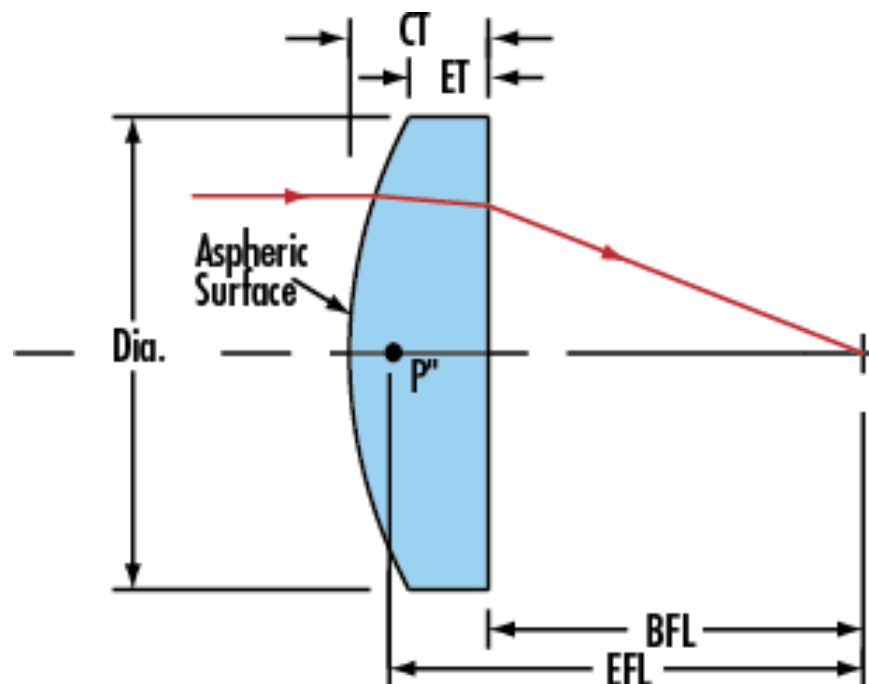
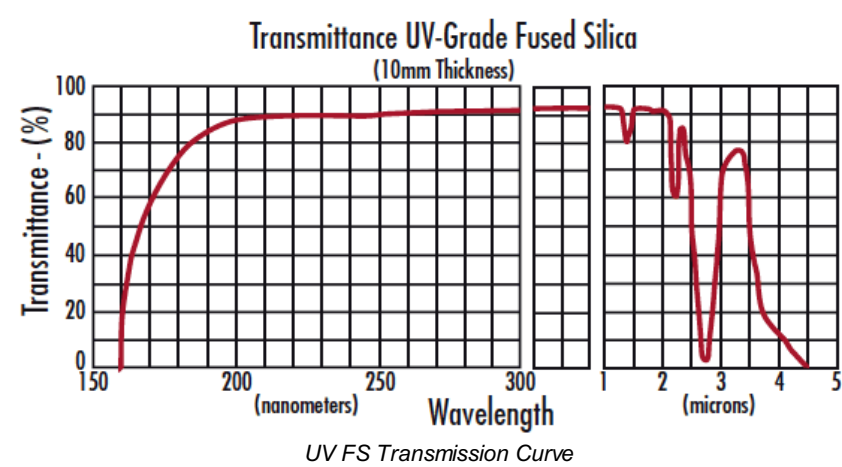
|                                             |                                      |
|---------------------------------------------|--------------------------------------|
| Aspheric Lens                               | Type:                                |
| Physical & Mechanical Properties            |                                      |
| 25.00 +0.0/-0.1                             | Diameter (mm):                       |
| ≤5                                          | Centering (arcmin):                  |
| 22.5                                        | Clear Aperture CA (mm):              |
| 1.75                                        | Edge Thickness ET (mm):              |
| 9.75 ±0.1                                   | Center Thickness CT (mm):            |
| Protective as needed                        | Bevel:                               |
| Plano                                       | Shape of Back Surface:               |
| Optical Properties                          |                                      |
| 25.00 @ 587.6nm                             | Effective Focal Length EFL (mm):     |
| 0.50                                        | Numerical Aperture NA:               |
| 18.32                                       | Back Focal Length BFL (mm):          |
| <a href="#">Fused Silica</a> (Corning 7980) | Substrate: <input type="checkbox"/>  |
| 587.6                                       | Aspheric Design Wavelength (nm):     |
| 1.2λ                                        | Asphere Figure Error, RMS @ 632.8nm: |
| VS (425-675nm)                              | Coating:                             |
| R <sub>avg</sub> ≤1.5% @ 425 - 675nm        | Coating Specification:               |
| 60-40                                       | Surface Quality:                     |
| 1.00                                        | f/#:                                 |
| 425 - 675                                   | Wavelength Range (nm):               |
| Infinite                                    | Conjugate Distance:                  |
| 40.00                                       | Power (diopters):                    |
| Regulatory Compliance                       |                                      |
| <a href="#">Compliant</a>                   | RoHS 2015:                           |
| <a href="#">View</a>                        | Certificate of Conformance:          |
| <a href="#">Compliant</a>                   | 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