

[See all 109 Products in Family](#)

TECHSPEC<sup>®</sup> 10mm Dia 0.50 NA, UV-VIS Coated, UV Fused Silica Aspheric Lens



TECHSPEC UV Fused Silica Aspheric Lenses



Stock **#87-982** **13 In Stock**

☐ [Other Coating Options](#)

-

1

+

₹29,505

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | ₹29,505 each                  |
| Qty 6-25       | ₹23,589 each                  |
| Qty 26-49      | ₹22,187 each                  |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Aspheric Lens

Type:

Physical & Mechanical Properties

Diameter (mm):

|                           |                      |
|---------------------------|----------------------|
| 10.00 +0.0/-0.1           |                      |
| Centering (arcmin):       | ≤5                   |
| Clear Aperture CA (mm):   | 8                    |
| Edge Thickness ET (mm):   | 2.77                 |
| Center Thickness CT (mm): | 6.00 ±0.1            |
| Bevel:                    | Protective as needed |
| Shape of Back Surface:    | Plano                |

| Optical Properties                                                                           |                                             |
|----------------------------------------------------------------------------------------------|---------------------------------------------|
| Effective Focal Length EFL (mm):                                                             | 10.00 @ 587.6nm                             |
| Numerical Aperture NA:                                                                       | 0.50                                        |
| Back Focal Length BFL (mm):                                                                  | 5.89                                        |
| Substrate:  | <a href="#">Fused Silica</a> (Corning 7980) |
| Aspheric Design Wavelength (nm):                                                             | 587.6                                       |
| Asphere Figure Error, RMS @ 632.8nm:                                                         | 1.2λ                                        |
| Coating:                                                                                     | UV-VIS (250-700nm)                          |
| Coating Specification:                                                                       | R <sub>avg</sub> <2.5% @ 250 - 700nm        |
| Surface Quality:                                                                             | 60-40                                       |
| f#:                                                                                          | 1.00                                        |
| Wavelength Range (nm):                                                                       | 250 - 700                                   |
| Conjugate Distance:                                                                          | Infinite                                    |
| Power (diopters):                                                                            | 100.00                                      |

| Regulatory Compliance       |                                     |
|-----------------------------|-------------------------------------|
| RoHS 2015:                  | <a href="#">Compliant</a>           |
| Certificate of Conformance: | <a href="#">View</a>                |
| Reach 235:                  | <a href="#">Compliant</a>           |
| Country of Origin:          | Singapore                           |
| Imported By:                | Edmund Optics India Private Limited |

## Product Details

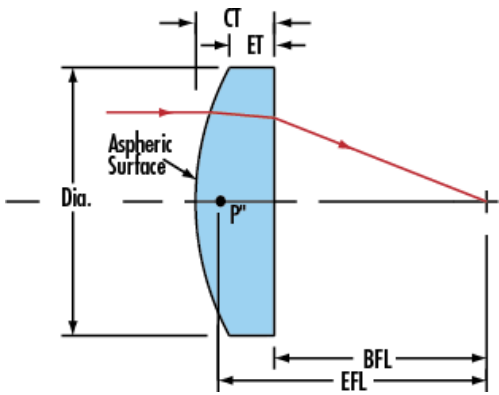
- Low Coefficient of Thermal Expansion
- Precision and High Precision Options
- High Numerical Apertures to Maximize Throughput

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