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TECHSPEC® 10mm Dia 0.63 NA, UV Coated, UV Fused Silica Aspheric Lens



TECHSPEC UV Fused Silica Aspheric Lenses



Stock #87-977 [CONTACT US](#)

[Other Coating Options](#)

1 [-](#) [+](#) A\$670⁰⁰

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| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | A\$670.40 each |
| Qty 6-10 | A\$603.20 each |
| Qty 11-25 | A\$563.20 each |
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Product Downloads

General

Aspheric Lens **Type:**

Physical & Mechanical Properties

Diameter (mm):

| | |
|----------------------|---------------------------|
| 10.00 +0.0/-0.1 | |
| ≤5 | Centering (arcmin): |
| 8 | Clear Aperture CA (mm): |
| 3.05 | Edge Thickness ET (mm): |
| 8.00 ±0.1 | Center Thickness CT (mm): |
| Protective as needed | Bevel: |
| Plano | Shape of Back Surface: |

Optical Properties

| | |
|--------------------------------------|--------------------------------------|
| 8.00 @ 587.6nm | Effective Focal Length EFL (mm): |
| 0.63 | Numerical Aperture NA: |
| 2.52 | Back Focal Length BFL (mm): |
| Fused Silica (Corning 7980) | Substrate: <input type="checkbox"/> |
| 587.6 | Aspheric Design Wavelength (nm): |
| 1.2λ | Asphere Figure Error, RMS @ 632.8nm: |
| UV (250-425nm) | Coating: |
| R _{avg} ≤1.5% @ 250 - 425nm | Coating Specification: |
| 60-40 | Surface Quality: |
| 0.79 | f##: |
| 250 - 425 | Wavelength Range (nm): |
| Infinite | Conjugate Distance: |
| 125.00 | Power (diopters): |

Regulatory Compliance

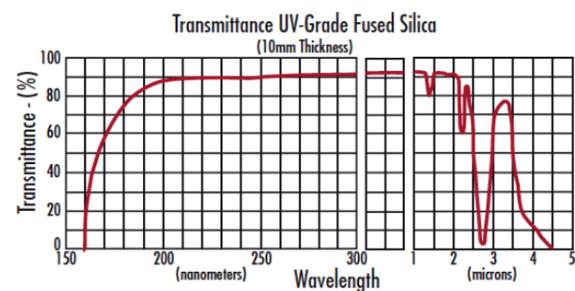
| | |
|---------------------------|-----------------------------|
| Compliant | RoHS 2015: |
| View | Certificate of Conformance: |
| Compliant | Reach 235: |

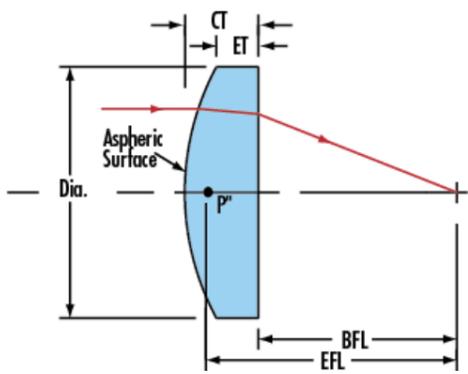
Product Details

- 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
