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**TECHSPEC® 15mm Dia 0.75 NA, NIR Coated, UV Fused Silica Aspheric Lens**



TECHSPEC UV Fused Silica Aspheric Lenses



Stock **#33-963** **5 In Stock**

[Other Coating Options](#)

1 MRP ₹60,434

**Price inclusive of all taxes**

**ADD TO CART**

Volume Pricing	
Qty 1-5	₹60,434 each
Qty 6-10	₹54,380 each
Qty 11-25	₹50,748 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Aspheric Lens **Type:**

**Physical & Mechanical Properties**

15.00 +0.0/-0.1	<b>Diameter (mm):</b>
≤5	<b>Centering (arcmin):</b>
13.5	<b>Clear Aperture CA (mm):</b>
3.70	<b>Edge Thickness ET (mm):</b>
11.40 ±0.1	<b>Center Thickness CT (mm):</b>
Protective as needed	<b>Bevel:</b>
Convex	<b>Shape of Back Surface:</b>

## Optical Properties

10.00 @587.6nm	<b>Effective Focal Length EFL (mm):</b>
0.75	<b>Numerical Aperture NA:</b>
2.69	<b>Back Focal Length BFL (mm):</b>
<a href="#">Fused Silica</a> (Corning 7980)	<b>Substrate:</b> <input type="text"/>
587.6	<b>Aspheric Design Wavelength (nm):</b>
1.2λ	<b>Asphere Figure Error, RMS @ 632.8nm:</b>
NIR (600-1050nm)	<b>Coating:</b>
R <sub>avg</sub> ≤1.5% @600 - 1050nm	<b>Coating Specification:</b>
60-40	<b>Surface Quality:</b>
0.67	<b>f#:</b>
67.8	<b>Abbe Number (v<sub>d</sub>):</b>
1.458	<b>Index of Refraction (n<sub>d</sub>):</b>
19.138	<b>Radius R<sub>2</sub> (mm):</b>
600 - 1050	<b>Wavelength Range (nm):</b>
Infinite	<b>Conjugate Distance:</b>
587.60	<b>Focal Length Specification Wavelength (nm):</b>
100.00	<b>Power (diopters):</b>

## Material Properties

0.52	<b>Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):</b>
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## Regulatory Compliance

<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Compliant</a>	<b>Reach 235:</b>
Singapore	<b>Country of Origin:</b>
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	<b>Imported By:</b>

**Need different specs or modifications?**

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

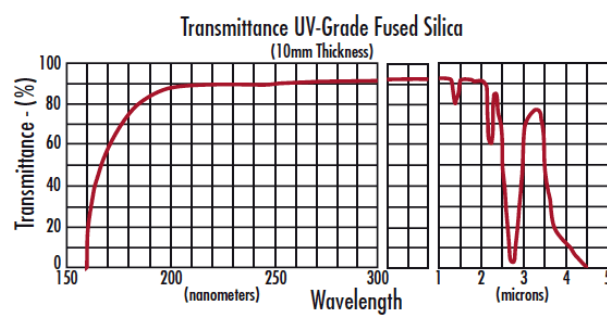
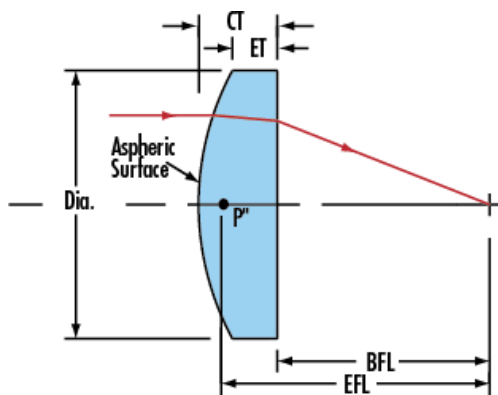
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## 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

## Compatible Mounts