

TECHSPEC®

15mm Dia 0.38 NA, UV Coated, UV Fused Silica Aspheric Lens

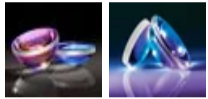


Stock #49-694 **6 In Stock** [Other Coating Options](#)

1 **£439^{.20}**

ADD TO CART

TECHSPEC UV Fused Silica Aspheric Lens



Volume Pricing	
Qty 1-5	£439.20 each
Qty 6-10	£395.20 each
Qty 11-25	£368.80 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads	
STEP:stp	Curve:pdf
PDF Drawing:pdf	IGES:igs
Zemax:zar	Zemax:zmx
eDrawing:eprt	Code V:seq
EO Spec Sheet	Download All

General			
Type:	Aspheric Lens		
Physical & Mechanical Properties			
Diameter (mm):	15.00 +0.0/-0.1	Centering (arcmin):	≤5
Clear Aperture CA (mm):	13.5	Edge Thickness ET (mm):	2.68
Center Thickness CT (mm):	6.00 ±0.1	Bevel:	Protective as needed
Shape of Back Surface:	Plano		
Optical Properties			
Effective Focal Length EFL (mm):	20.00 @ 587.6nm	Numerical Aperture NA:	0.38
Back Focal Length BFL (mm):	15.89	Substrate:	Fused Silica (Corning 7980)
Aspheric Design Wavelength (nm):	587.6	Asphere Figure Error, RMS @ 632.8nm:	1.2λ
Coating:	UV (250-425nm)	Coating Specification:	R _{avg} ≤1.5% @ 250 - 425nm
Surface Quality:	60-40	f/#:	1.33

Abbe Number (v_d):	67.8	Index of Refraction (n_d):	1.458
Wavelength Range (nm):	250 - 425	Conjugate Distance:	Infinite
Focal Length Specification Wavelength (nm):	587.60	Power (diopters):	50.00

Material Properties

Coefficient of Thermal Expansion CTE (10⁻⁶/°C):	0.52
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Regulatory Compliance

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

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

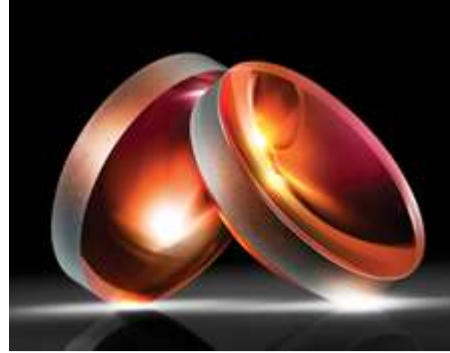
Related Products



C, S, and T-Mount Circular Optic Mounts



Optic Component Mounts

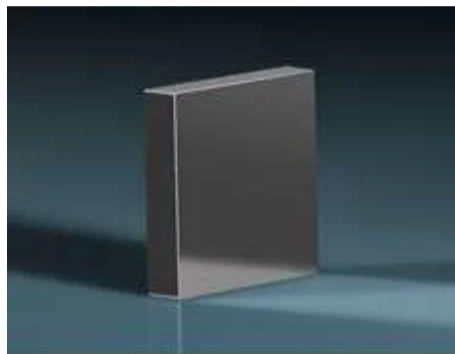


High Precision Aspheric Lenses



Glass Polished

Frequently Purchased Together



#34-387 - 10 x 10mm Protected Silver, $\lambda/20$ Mirror
£132.80

#48-823 - 25mm Dia. x 60mm FL UV-VIS Coated, UV Plano-Convex Lens
£138.40

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
MORE+	15.0mm Optic Dia., Optic Mount	Fixed		#64-557	£26.20 Request Quote	10 In Stock <input type="text" value="1"/> <input type="button" value="🛒"/>
MORE+	15mm Inner Single Optic Mount	Fixed		#38-752	£32.80 Request Quote	7 In Stock <input type="text" value="1"/> <input type="button" value="🛒"/>
MORE+	25mm Cage 15mm Diameter Lens Mount	Fixed		#85-546	£36.60 Request Quote	2 In Stock <input type="text" value="1"/> <input type="button" value="🛒"/>

Check out our full selection of mounts [here](#).

Resources

Media Type

- Application Note
- Scientific Paper
- Trending in Optics
- Video
- Published Article

APPLICATION NOTE
Anti-Reflection (AR) Coatings

APPLICATION NOTE
An Introduction to Optical Coatings

APPLICATION NOTE
Lens Geometry Performance Comparison

CASE STUDIES

**Laser Optics
for Eye
Surgery**

APPLICATION NOTE

**All About
Aspheric
Lenses**

WEBINARS

**Design
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Aspheres**

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