

TECHSPEC[®] 25mm Dia x 25mm FL, Uncoated, 1550nm High Precision Aspheric Lens



TECHSPEC[®] High Precision Aspheric Lenses

Stock **#17-420** **4 In Stock**

☐ [Other Coating Options](#)

-

1

+

£599⁷²

ADD TO CART

Volume Pricing	
Qty 1-5	£599.72 each
Qty 6-25	£481.53 each
Qty 26-49	£450.88 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Type:

Aspheric Lens	
Note: 3D Surface Profile included with uncoated lenses	
Physical & Mechanical Properties	
Diameter (mm):	25.00 +0.0/-0.025
Centering (arcmin):	<2.5
Clear Aperture CA (mm):	22.5
Edge Thickness ET (mm):	4.25
Center Thickness CT (mm):	8.50 ±0.1
Bevel:	Protective as needed
Shape of Back Surface:	Plano
Optical Properties	
Effective Focal Length EFL (mm):	25.00 @ 1550nm
Numerical Aperture NA:	0.50
Back Focal Length BFL (mm):	20.18 @ 1550nm
Substrate: 	N-SF6
Aspheric Design Wavelength (nm):	1550
Asphere Figure Error, RMS @ 632.8nm:	λ/40
Coating:	Uncoated
Surface Quality:	40-20
f/#:	1
Conjugate Distance:	Infinite
Power (diopters):	40.00
Regulatory Compliance	
Certificate of Conformance:	View

PRODUCT DETAILS

- High Precision Aspheric Surface
- 3D Surface Profiles Included with Uncoated Lenses
- Uncoated and <0.25% Reflectance V-Coat Available

TECHSPEC® High Precision Aspheric Lenses guarantee better than λ/40 wave aspheric figure error. Achieved via precision magneto-rheological finishing (MRF), these aspheres offer high numerical apertures with diameters ranging from 15 to 50mm and are ideal for a variety of imaging and low light level applications. Each TECHSPEC High Precision Aspheric Lens is individually measured. 3D surface profiles are included with uncoated lenses. For diffraction-limited aspheres designed at specific Nd:YAG laser wavelengths, see our [TECHSPEC High Precision Laser Grade Aspheric Lenses](#).

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

