

TECHSPEC[®] 15mm Dia x 15mm FL, NIR+, High Precision Aspheric Lens



TECHSPEC[®] High Precision Aspheric Lenses

Stock **#22-903** **1 In Stock**

☐ [Other Coating Options](#)

-

1

+

€643⁷⁵

ADD TO CART

Volume Pricing	
Qty 1-5	€643,75 each
Qty 6-25	€513,97 each
Qty 26-49	€482,04 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Type:

Aspheric Lens	
Note: 3D Surface Profile not included with coated lenses	
Physical & Mechanical Properties	
Diameter (mm): 15.00 +0.00/-0.025	
Centering (arcmin): <1	
Clear Aperture CA (mm): 13.50	
Edge Thickness ET (mm): 6.21	
Center Thickness CT (mm): 8.62	
Bevel: Protective as needed	
Shape of Back Surface: Plano	
Optical Properties	
Effective Focal Length EFL (mm): 15.00 @ 587.6nm	
Numerical Aperture NA: 0.50	
Back Focal Length BFL (mm): 10.22	
Substrate: N-SF6	
Aspheric Design Wavelength (nm): 587.6	
Asphere Figure Error, RMS @ 632.8nm: λ/40	
Coating: NIR+ (600-1050nm)	
Coating Specification: R_{avg} <0.5% @ 600 - 1050nm @ ±30° AOI R_{abs} <1.5% @ 600 - 1050nm @ ±30° AOI	
Surface Quality: 40-20	
f/#: 1	
Wavelength Range (nm): 600 - 1050	
Conjugate Distance: Infinite	
Power (diopters): 66.67	
Regulatory Compliance	
RoHS 2015: Compliant	
Certificate of Conformance: View	
Reach 250: Compliant	

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](#).
