

TECHSPEC<sup>®</sup> 15mm Dia x 18.75mm FL, Uncoated, High Precision Aspheric Lens



TECHSPEC<sup>®</sup> High Precision Aspheric Lenses

Stock **#12-429** **20+ In Stock**

☐ [Other Coating Options](#)

-

1

+

S\$908<sup>.60</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | <b>S\$908.60</b> each         |
| Qty 6-10       | <b>S\$817.60</b> each         |
| Qty 11+        | <b>S\$763.00</b> each         |
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Product Downloads

General

Aspheric Lens

Type:

3D Surface Profile included with uncoated lenses

Note:

Physical & Mechanical Properties

Diameter (mm):

|                       |                                      |
|-----------------------|--------------------------------------|
| 15.00 +0.00/-0.025    |                                      |
| <1                    | Centering (arcmin):                  |
| 13.50                 | Clear Aperture CA (mm):              |
| 6.10                  | Edge Thickness ET (mm):              |
| 8.00                  | Center Thickness CT (mm):            |
| Protective as needed  | Bevel:                               |
| Plano                 | Shape of Back Surface:               |
| Optical Properties    |                                      |
| 18.75 @ 587.6nm       | Effective Focal Length EFL (mm):     |
| 0.40                  | Numerical Aperture NA:               |
| 14.32                 | Back Focal Length BFL (mm):          |
| N-SF6                 | Substrate: □                         |
| 587.6                 | Aspheric Design Wavelength (nm):     |
| λ/40                  | Asphere Figure Error, RMS @ 632.8nm: |
| Uncoated              | Coating:                             |
| 40-20                 | Surface Quality:                     |
| 1.25                  | f/#:                                 |
| 390 - 2500            | Wavelength Range (nm):               |
| Infinite              | Conjugate Distance:                  |
| 53.33                 | Power (diopters):                    |
| Regulatory Compliance |                                      |
| View                  | Certificate of Conformance:          |

## 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