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



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

Stock **#12-428** **12 In Stock**  
[Other Coating Options](#)

-

1

+

₹45,153

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| Volume Pricing |                               |
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| Qty 1-10       | ₹45,153 each                  |
| Qty 11+        | ₹35,577 each                  |
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Product Downloads

| General                                          |                |
|--------------------------------------------------|----------------|
| Aspheric Lens                                    | Type:          |
| 3D Surface Profile included with uncoated lenses | Note:          |
| Physical & Mechanical Properties                 |                |
| 15.00 +0.00/-0.025                               | Diameter (mm): |

|                      |                           |
|----------------------|---------------------------|
| <1                   | Centering (arcmin):       |
| 13.50                | Clear Aperture CA (mm):   |
| 6.21                 | Edge Thickness ET (mm):   |
| 8.62                 | Center Thickness CT (mm): |
| Protective as needed | Bevel:                    |
| Plano                | Shape of Back Surface:    |

|                    |                                      |
|--------------------|--------------------------------------|
| Optical Properties |                                      |
| 15.00 @ 587.6nm    | Effective Focal Length EFL (mm):     |
| 0.50               | Numerical Aperture NA:               |
| 10.22              | Back Focal Length BFL (mm):          |
| N-SF6              | Substrate: □                         |
| 587.6              | Aspheric Design Wavelength (nm):     |
| N40                | Asphere Figure Error, RMS @ 632.8nm: |
| Uncoated           | Coating:                             |
| 40-20              | Surface Quality:                     |
| 1                  | f/#:                                 |
| 390 - 2500         | Wavelength Range (nm):               |
| Infinite           | Conjugate Distance:                  |
| 66.67              | Power (diopters):                    |

|                                     |                             |
|-------------------------------------|-----------------------------|
| Regulatory Compliance               |                             |
| View                                | Certificate of Conformance: |
| Singapore                           | Country of Origin:          |
| Edmund Optics India Private Limited | Imported By:                |

## 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 N40 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

