

TECHSPEC<sup>®</sup> 25mm Dia., 0.50 NA, Uncoated 1550nm NIR Aspheric Lens



Stock **#17-419** 10 TO 12 DAYS  
[Other Coating Options](#)

-

1

+

₹28,337

ADD TO CART

|                               |
|-------------------------------|
| Qty 1-5                       |
| ₹28,337                       |
| Qty 6+                        |
| ₹22,654                       |
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SPECIFICATIONS

General

Aspheric Lens

Type:

| Physical & Mechanical Properties |                                  |
|----------------------------------|----------------------------------|
| 25.00 +0.0/-0.025                | Diameter (mm):                   |
| <2.5                             | Centering (arcmin):              |
| 22.5                             | Clear Aperture CA (mm):          |
| 4.25                             | Edge Thickness ET (mm):          |
| 8.50 ±0.1                        | Center Thickness CT (mm):        |
| Protective bevel as needed       | Bevel:                           |
| Plano                            | Shape of Back Surface:           |
| Optical Properties               |                                  |
| 25.00 @ 1550nm                   | Effective Focal Length EFL (mm): |
| 0.5                              | Numerical Aperture NA:           |
| 18.97 @ 587.6nm                  | Back Focal Length BFL (mm):      |
| N-SF6                            | Substrate: <input type="text"/>  |
| 1550                             | Aspheric Design Wavelength (nm): |
| Uncoated                         | Coating:                         |
| 40-20                            | Surface Quality:                 |
| 1                                | f/#:                             |
| Infinite                         | Conjugate Distance:              |
| 0.4λ RMS and 2λ PV               | Asphere Figure Error, @ 632.8nm: |
| 40.00                            | Power (diopters):                |
| Regulatory Compliance            |                                  |
| Compliant                        | RoHS:                            |
| View                             | Certificate of Conformance:      |

## PRODUCT DETAILS

- Designed at 1550nm
- Precision Grade Aspheric Surface
- Uncoated and <0.25% Reflectance V-Coat Options

TECHSPEC® 1550nm Precision Near-Infrared (NIR) Aspheric Lenses are designed at 1550nm to eliminate spherical aberration in the near-infrared. 1550nm lasers are commonly used in telecom, LiDAR, and other applications requiring eye-safe design features. Manufactured from S-TiH6 or N-SF6 substrates and polished through a computer numerical controlled (CNC) process, these aspheric lenses achieve high precision performance across the NIR spectrum. Featuring a 0.4λ RMS aspheric figure error, these lenses are ideal for applications that require spherical aberration correction, including imaging and laser focusing applications. TECHSPEC® 1550nm Precision Near-Infrared (NIR) Aspheric Lenses are available with low numerical aperture designs for applications that require beam shape to be maintained as well as high numerical aperture designs for light-gathering applications. For custom designed CNC polished aspheric lenses, please contact us.

## 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

