

TECHSPEC<sup>®</sup> 15mm Dia., 0.50 NA, V-Coated 1550nm NIR Aspheric Lens



Stock #22-936 9 In Stock

[Other Coating Options](#)

-

1

+

£303<sup>.20</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | £303.20 each                  |
| Qty 6-10       | £272.80 each                  |
| Qty 11-25      | £254.40 each                  |
| Need More?     | <a href="#">Request Quote</a> |

 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Aspheric Lens

Type:

Physical & Mechanical Properties

15.00 +0.0/-0.025

Diameter (mm):

|                      |                           |
|----------------------|---------------------------|
| <3                   | Centering (arcmin):       |
| 13.5                 | Clear Aperture CA (mm):   |
| 2.45                 | Edge Thickness ET (mm):   |
| 5.00 ±0.1            | Center Thickness CT (mm): |
| Protective as needed | Bevel:                    |
| Plano                | Shape of Back Surface:    |

|                                            |                                  |
|--------------------------------------------|----------------------------------|
| Optical Properties                         |                                  |
| 15.00 @ 1550nm                             | Effective Focal Length EFL (mm): |
| 0.5                                        | Numerical Aperture NA:           |
| 11.44 @ 587.6nm                            | Back Focal Length BFL (mm):      |
| N-SF6                                      | Substrate: □                     |
| 1550                                       | Aspheric Design Wavelength (nm): |
| 1550nm V-Coat                              | Coating:                         |
| R <sub>abs</sub> < 0.25% @ 1550nm @ 0° AOI | Coating Specification:           |
| 40-20                                      | Surface Quality:                 |
| 1                                          | f/#:                             |
| Infinite                                   | Conjugate Distance:              |
| 5 J/cm² @ 1550nm, 10ns                     | Damage Threshold, By Design: □   |
| 0.4λ RMS and 2λ PV                         | Asphere Figure Error, @ 632.8nm: |

|       |                   |
|-------|-------------------|
| 66.67 | Power (diopters): |
|-------|-------------------|

|                                                                          |             |
|--------------------------------------------------------------------------|-------------|
| Environmental & Durability Factors                                       |             |
| ADHESION AND ABRASION AS PER ML-PRF13830B APP C, PARAC.3.8.4 AND C.3.8.5 | Durability: |

|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| View                  | Certificate of Conformance: |
| Compliant             | Reach 235:                  |

## 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](#).

