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**TECHSPEC® 25mm Dia., 0.83 NA, V-Coated 1550nm NIR Aspheric Lens**



Stock #22-938 **14 In Stock**

[Other Coating Options](#)

⊖ 1 ⊕ ₹32,775

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Volume Pricing	
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Qty 26-49	₹24,601 each
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**General**

Aspheric Lens **Type:**

**Physical & Mechanical Properties**

25.00 +0.0/-0.025 **Diameter (mm):**

<2.5 **Centering (arcmin):**

22.5	<b>Clear Aperture CA (mm):</b>
2.35	<b>Edge Thickness ET (mm):</b>
10.00 ±0.1	<b>Center Thickness CT (mm):</b>
Protective as needed	<b>Bevel:</b>
Plano	<b>Shape of Back Surface:</b>

## Optical Properties

15.00 @ 1550nm	<b>Effective Focal Length EFL (mm):</b>
0.83	<b>Numerical Aperture NA:</b>
8.67 @ 587.6nm	<b>Back Focal Length BFL (mm):</b>
N-SF6	<b>Substrate:</b> <input type="checkbox"/>
1550	<b>Aspheric Design Wavelength (nm):</b>
1550nm V-Coat	<b>Coating:</b>
R <sub>abs</sub> < 0.25% @ 1550nm @ 0° AOI	<b>Coating Specification:</b>
40-20	<b>Surface Quality:</b>
0.6	<b>f#:</b>
Infinite	<b>Conjugate Distance:</b>
5 J/cm <sup>2</sup> @ 1550nm, 10ns	<b>Damage Threshold, By Design:</b> <input type="checkbox"/>
0.4λ RMS and 2λ PV	<b>Asphere Figure Error, @ 632.8nm:</b>
66.67	<b>Power (diopters):</b>

## Environmental & Durability Factors

ADHESION AND ABRASION AS PER MIL-PRF-13830B APP C, PARAC.3.8.4 AND C.3.8.5	<b>Durability:</b>
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## Regulatory Compliance

<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Compliant</a>	<b>Reach 235:</b>
Singapore	<b>Country of Origin:</b>
Edmund Optics India Private Limited	<b>Imported By:</b>

## 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](#).

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