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**TECHSPEC® 15mm Dia., 0.25 NA, BBAR Coated 1550nm SWIR+ Aspheric Lens**



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[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
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**!** 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	<b>Centering (arcmin):</b>
13.5	<b>Clear Aperture CA (mm):</b>
3.76	<b>Edge Thickness ET (mm):</b>
5.00 ±0.1	<b>Center Thickness CT (mm):</b>
Protective as needed	<b>Bevel:</b>
Plano	<b>Shape of Back Surface:</b>
<b>Optical Properties</b>	
30.00 @ 1550nm	<b>Effective Focal Length EFL (mm):</b>
0.25	<b>Numerical Aperture NA:</b>
25.65	<b>Back Focal Length BFL (mm):</b>
N-SF6	<b>Substrate:</b> □
1550	<b>Aspheric Design Wavelength (nm):</b>
SWIR+	<b>Coating:</b>
R <sub>avg</sub> <0.5% @ 900 - 1700nm @ ±30° AOI R <sub>abs</sub> <1.5% @ 900 - 1700nm @ ±30° AOI	<b>Coating Specification:</b>
40-20	<b>Surface Quality:</b>
2	<b>f#:</b>
Infinite	<b>Conjugate Distance:</b>
0.4λ RMS and 2λ PV	<b>Asphere Figure Error, @ 632.8nm:</b>
33.33	<b>Power (diopters):</b>

<b>Regulatory Compliance</b>	
<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Compliant</a>	<b>Reach 250:</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](#).