

TECHSPEC[®] 25mm Dia., 0.50 NA, V-Coated 1550nm NIR Aspheric Lens



Stock #22-939 4 In Stock

☐ Other Coating Options

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1

+

₹30,751

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Volume Pricing	
Qty 1-5	₹30,751 each
Qty 6-25	₹24,601 each
Qty 26-49	₹23,044 each
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Product Downloads

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 as needed	Bevel:

Plano	Shape of Back Surface:
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Optical Properties

25.00 @ 1550nm	Effective Focal Length EFL (mm):
0.50	Numerical Aperture NA:

18.97 @ 587.6nm	Back Focal Length BFL (mm):
N-SF6	Substrate: □

1550	Aspheric Design Wavelength (nm):
1550nm V-Coat	Coating:

R _{abs} < 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:

40.00	Power (diopters):
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Environmental & Durability Factors

ADHESION AND ABRASION AS PER MIL-PRF13830B APP C, PARAC.3.8.4 AND C.3.8.5	Durability:
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Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:

Compliant	Reach 235:
Singapore	Country of Origin:
Edmund Optics India Private Limited	Imported By:

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](#).

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.