

TECHSPEC® 15mm Dia., 0.50 NA, BBAR Coated 1550nm SWIR+ Aspheric Lens



Stock **#29-986** 8 In Stock

Other Coating Options

-

1

+

₹30,590

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-5	₹30,590 each
Qty 6-25	₹24,435 each
Qty 26-49	₹22,966 each
Need More?	Request Quote

Product Downloads

General

Aspheric Lens

Type:

Physical & Mechanical Properties

15.00 +0.0/-0.025

Diameter (mm):

Centering (arcmin):

<3	
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):
0.50	Numerical Aperture NA:
11.44	Back Focal Length BFL (mm):
N-SF6	Substrate: □
1550	Aspheric Design Wavelength (nm):
SWIR+	Coating:
R _{avg} <0.5% @ 900 - 1700nm @ ±30° AOI R _{abs} <1.5% @ 900 - 1700nm @ ±30° AOI	Coating Specification:
40-20	Surface Quality:
1	f/#:
Infinite	Conjugate Distance:
0.4λ RMS and 2λ PV	Asphere Figure Error, @ 632.8nm:
66.67	Power (diopters):

Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 250:
Singapore	Country of Origin:
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	Imported By:

Need different specs or modifications?

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.

