

[See all 215 Products in Family](#)

TECHSPEC®

50mm Dia., 0.66 Numerical Aperture, 600-1050nm Coated, Inked, High Precision Aspheric Lens



TECHSPEC® Precision Aspheric Lenses

Stock **#16-989-INK** [CONTACT US](#)

[Other Coating Options](#)

1 MRP ₹81,668

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-5	₹81,668 each
Qty 6-10	₹73,490 each
Qty 11-25	₹67,012 each
Need More?	Request Quote

Product Downloads

General

Aspheric Lens **Type:**

Physical & Mechanical Properties

50.00 ±0.025	Diameter (mm):
<3	Centering (arcmin):
45.00	Clear Aperture CA (mm):
7.47	Edge Thickness ET (mm):
21.34 ±0.10	Center Thickness CT (mm):
Protective as needed	Bevel:
Plano	Shape of Back Surface:

Optical Properties

37.50 @587.6nm	Effective Focal Length EFL (mm):
0.66	Numerical Aperture NA:
24.74	Back Focal Length BFL (mm):
N-SF5	Substrate: <input type="checkbox"/>
0.4λ	Asphere Figure Error, RMS @ 632.8nm:
NIR+ (600-1050nm)	Coating:
Coating Specification: R _{avg} <0.5% @ 600 - 1050nm @ ±30° AOI R _{abs} <1.5% @ 600 - 1050nm @ ±30° AOI	
40-20	Surface Quality:
0.75	f/#:
600 - 1050	Wavelength Range (nm):
Infinite	Conjugate Distance:

Regulatory Compliance

View	Certificate of Conformance:
Singapore	Country of Origin:
Imported By: 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	

Product Details

- Improved Versions of Our Aspheric Lenses
- Precision Grade Aspheric Surfaces
- High Numerical Apertures to Maximize Throughput

TECHSPEC® Precision Aspheric Lenses are CNC polished aspheric lenses that feature a 0.4λ RMS aspheric figure error. The precision aspheric figure error makes these lenses ideal for applications that require spherical aberration correction, including imaging and laser focusing applications. These aspheric lenses can also be used to replace multiple spherical elements in optical assemblies to reduce weight and cost. TECHSPEC Precision Aspheric Lenses are available with diameters from 6 to 50mm and high numerical apertures to maximize light throughput.

Compatible Mounts