

TECHSPEC[®]

50mm Dia., 0.83 Numerical Aperture, 350-700nm Coated, Inked, High Precision Aspheric Lens



TECHSPEC[®] Precision Aspheric Lenses

Stock **#16-970-INK** [CONTACT US](#)

[Other Coating Options](#)

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1

+

₹74,700

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Volume Pricing	
Qty 1-5	₹74,700 each
Qty 6-25	₹59,850 each
Qty 26-49	₹56,250 each
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SPECIFICATIONS

General

Aspheric Lens	Type:
Physical & Mechanical Properties	
50.00 ±0.025	Diameter (mm):
<3	Centering (arcmin):
45.00	Clear Aperture CA (mm):
7.35	Edge Thickness ET (mm):
21.56 ±0.10	Center Thickness CT (mm):
Protective as needed	Bevel:
Plano	Shape of Back Surface:
Optical Properties	
30.00 @ 587.6nm	Effective Focal Length EFL (mm):
0.83	Numerical Aperture NA:
18.06	Back Focal Length BFL (mm):
N-SF6	Substrate:
0.4λ	Asphere Figure Error, RMS @ 632.8nm:
VS-EXT+ (350-700nm)	Coating:
R _{avg} <0.5% @ 350 - 700nm @ ±30° AOI R _{abs} <1.5% @ 350 - 700nm @ ±30° AOI	Coating Specification:
40-20	Surface Quality:
0.60	f/#:
350 - 700	Wavelength Range (nm):
Infinite	Conjugate Distance:
Regulatory Compliance	
View	Certificate of Conformance:

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