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TECHSPEC[®] 40mm Dia x 40mm FL, VIS EXT+, High Precision Aspheric Lens



TECHSPEC[®] High Precision Aspheric Lenses

Stock **#22-894** **4 In Stock**

☐ [Other Coating Options](#)

-

1

+

₹74,736

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Volume Pricing	
Qty 1-5	₹74,736 each
Qty 6-25	₹59,945 each
Qty 26-49	₹56,441 each
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General

Aspheric Lens

Type:

3D Surface Profile not included with coated lenses

Note:

Physical & Mechanical Properties

Diameter (mm):

40.00 +0.00/-0.025	
	Centering (arcmin):
<1	
	Clear Aperture CA (mm):
36.00	
	Edge Thickness ET (mm):
6.83	
	Center Thickness CT (mm):
14.70	
	Bevel:
Protective as needed	
	Shape of Back Surface:
Plano	

Optical Properties

	Effective Focal Length EFL (mm):
40.00 @ 587.6nm	
	Numerical Aperture NA:
0.50	
	Back Focal Length BFL (mm):
31.21	
	Substrate: ☐
N-SF5	
	Aspheric Design Wavelength (nm):
587.6	
	Asphere Figure Error, RMS @ 632.8nm:
λ /40	
	Coating:
VIS-EXT+ (350-700nm)	
	Coating Specification:
R _{avg} <0.5% @ 350 - 700nm @ ±30° AOI	
R _{abs} <1.5% @ 350 - 700nm @ ±30° AOI	
	Surface Quality:
40-20	
	f/#:
1	
	Wavelength Range (nm):
350 - 700	
	Conjugate Distance:
Infinite	
	Power (diopters):
25.00	

Regulatory Compliance

	RoHS 2015:
Compliant	
	Certificate of Conformance:
View	
	Reach 250:
Compliant	
	Country of Origin:
Singapore	
	Imported By:
Edmund Optics India Private Limited	

Product Details

- High Precision Aspheric Surface
- 3D Surface Profiles Included with Uncoated Lenses
- Uncoated and <0.25% Reflectance V-Coat Available

TECHSPEC® High Precision Aspheric Lenses guarantee better than λ /40 wave aspheric figure error. Achieved via precision magneto-rheological finishing (MRF), these aspheres offer high numerical apertures with diameters ranging from 15 to 50mm and are ideal for a variety of imaging and low light level applications. Each TECHSPEC High Precision Aspheric Lens is individually measured. 3D surface profiles are included with uncoated lenses. For diffraction-limited aspheres designed at specific Nd:YAG laser wavelengths, see our [TECHSPEC High Precision Laser Grade Aspheric Lenses](#).

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](#).

