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TECHSPEC®

50mm Dia., 0.50 Numerical Aperture, 900-1700nm Coated, Precision Aspheric Lens



TECHSPEC® Precision Aspheric Lenses

Stock **#23-023** **2 In Stock**

[Other Coating Options](#)

MRP ₹75,567

i Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹75,567 each
Qty 6-10	₹68,000 each
Qty 11-25	₹61,946 each
Need More?	Request Quote

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General

Aspheric Lens **Type:**

Physical & Mechanical Properties

50.00 +0.00/-0.025 **Diameter (mm):**

<3	Centering (arcmin):
45.00	Clear Aperture CA (mm):
5.08	Edge Thickness ET (mm):
13.06 ±0.10	Center Thickness CT (mm):
Protective as needed	Bevel:
Plano	Shape of Back Surface:

Optical Properties

50.00 @ 587.6nm	Effective Focal Length EFL (mm):
0.50	Numerical Aperture NA:
42.77	Back Focal Length BFL (mm):
N-SF6	Substrate: <input type="checkbox"/>
0.4λ	Asphere Figure Error, RMS @ 632.8nm:
SWR+ (900-1700nm)	Coating:
R _{avg} <0.5% @ 900 - 1700nm @ ±30° AOI R _{abs} <1.5% @ 900 - 1700nm @ ±30° AOI	Coating Specification:
40-20	Surface Quality:
1.00	f#:
900 - 1700	Wavelength Range (nm):
Infinite	Conjugate Distance:
20.00	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:

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.