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TECHSPEC[®] 25mm Dia x 25mm FL, V-Coated, High Precision Aspheric Lens



TECHSPEC[®] High Precision Aspheric Lenses

Stock **#22-941** **9 In Stock**
[Other Coating Options](#)

-

1

+

S\$1,118⁶⁰

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Volume Pricing	
Qty 1-5	S\$1,118.60 each
Qty 6-10	S\$1,006.60 each
Qty 11+	S\$939.40 each
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Product Downloads

General

Type:

Aspheric Lens

Note:

3D Surface Profile not included with coated lenses

Physical & Mechanical Properties

Diameter (mm):

25.00 +0.0/-0.025	
<2.5	Centering (arcmin):
22.5	Clear Aperture CA (mm):
4.25	Edge Thickness ET (mm):
8.50 ±0.1	Center Thickness CT (mm):
Protective as needed	Bevel:
Plano	Shape of Back Surface:

Optical Properties	
25.00 @ 1550nm	Effective Focal Length EFL (mm):
0.50	Numerical Aperture NA:
20.18 @ 1500nm	Back Focal Length BFL (mm):
N-SF6	Substrate: ☐
1550	Aspheric Design Wavelength (nm):
λ/40	Asphere Figure Error, RMS @ 632.8nm:
1550nm V-Coat	Coating:
R _{abs} < 0.25% @ 1550nm @ 0° AOI	Coating Specification:
0.016	Asphere Figure Error (μm RMS):
40-20	Surface Quality:
1	f##:
Infinite	Conjugate Distance:
5 J/cm² @ 1550nm, 10ns	Damage Threshold, By Design: ☐
40.00	Power (diopters):

Environmental & Durability Factors	
ADHESION AND ABRASION AS PER MIL-PRF13830B APP C, PARAC.3.8.4 AND C.3.8.5	Durability:
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 235:

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](#).
