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TECHSPEC® 25mm Dia., 0.67 Numerical Aperture, Uncoated, Low Scatter Asphere

Stock **#20-080** **7 In Stock**

- 1 + **£476**.00

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Qty 1+	**£476.00** each
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Product Downloads

Physical & Mechanical Properties

Diameter (mm):
25.00 +0.0/-0.025

Centering (arcmin):
<3

Clear Aperture CA (mm):
22.50

Edge Thickness ET (mm):
2.90

Center Thickness CT (mm):

6.00 ±0.10

Bevel:

0.75 x 45°

Shape of Back Surface:

Plano

Surface Roughness (□):

P4 (<3 defects, ~10Åroughness)

Optical Properties

Effective Focal Length EFL (mm):

50.00 @ 587.6nm

Numerical Aperture NA:

0.25

Back Focal Length BFL (mm):

46.04 @ 587.6nm

Substrate: □

N-BK7

Coating:

Uncoated

Surface Quality:

10-5

f/#:

2.00

Wavelength Range (nm):

390 - 2500

Conjugate Distance:

Infinite

Slope Error Aspheric Side:

0.35µm/mm per 1mm Window

Asphere Figure Error, @ 632.8nm:

λ/4 RMS and 1.25λ PV

Power (diopters):

20.00

Regulatory Compliance

Certificate of Conformance:

View

Product Details

- P4 Surface Roughness for Low Scatter
- 10-5 Laser Grade Surface Quality
- Precision RMS Aspheric Figure Error

TECHSPEC® Low Scatter Aspheric Lenses are high quality CNC polished aspheres featuring ISO 10110-8 P4 surface roughness and 10-5 surface quality. P4 surface roughness is specified as less than 3 microdefects per 10mm of sampling length and is the smoothest surface outlined in ISO 10110-8 standard. A low surface roughness and 10-5 surface quality leads to very low scattering when focusing or collimating laser light. High laser damage threshold coatings are available upon request. TECHSPEC® Low Scatter Aspheric Lenses are ideal for high power laser applications where low scattering is paramount, such as in the metrology and aerospace industries.

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.**

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