

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



Stock #20-080 **6 In Stock**

S\$833⁰⁰

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Physical & Mechanical Properties

25.00 +0.0/-0.025 **Diameter (mm):**

<3 **Centering (arcmin):**

22.50 **Clear Aperture CA (mm):**

2.90 **Edge Thickness ET (mm):**

6.00 ±0.10 **Center Thickness CT (mm):**

0.75 x 45°	Bevel:
Plano	Shape of Back Surface:
P4 (<3 defects, ~10Å roughness)	Surface Roughness (□):
Optical Properties	
50.00 @ 587.6nm	Effective Focal Length EFL (mm):
0.25	Numerical Aperture NA:
46.04 @ 587.6nm	Back Focal Length BFL (mm):
N-BK7	Substrate: □
Uncoated	Coating:
10-5	Surface Quality:
2.00	f#:
390 - 2500	Wavelength Range (nm):
Infinite	Conjugate Distance:
587.6	Focal Length Specification Wavelength (nm):
0.35µm/mm per 1mm Window	Slope Error Aspheric Side:
M4 RMS and 1.25λ PV	Asphere Figure Error, @ 632.8nm:
20.00	Power (diopters):

Regulatory Compliance	
View	Certificate of Conformance:

Need different specs or modifications?

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](#).

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.