

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



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⊖ 1 ⊕ ₹42,428

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**SPECIFICATIONS**

**Physical & Mechanical Properties**

25.00 +0.0/-0.025      Diameter (mm):

<3      Centering (arcmin):

22.50      Clear Aperture CA (mm):

2.90	<b>Edge Thickness ET (mm):</b>
6.00 ±0.10	<b>Center Thickness CT (mm):</b>
0.75 x45°	<b>Bevel:</b>
Plano	<b>Shape of Back Surface:</b>
P4 (<3 defects, ~10Å roughness)	<b>Surface Roughness (□):</b>
<b>Optical Properties</b>	
50.00 @ 587.6nm	<b>Effective Focal Length EFL (mm):</b>
0.25	<b>Numerical Aperture NA:</b>
46.04 @ 587.6nm	<b>Back Focal Length BFL (mm):</b>
N-BK7	<b>Substrate: □</b>
Uncoated	<b>Coating:</b>
10-5	<b>Surface Quality:</b>
2.00	<b>f#:</b>
390 - 2500	<b>Wavelength Range (nm):</b>
Infinite	<b>Conjugate Distance:</b>
0.35µm/mm per 1mm Window	<b>Slope Error Aspheric Side:</b>
N4 RMS and 1.25λPV	<b>Asphere Figure Error, @ 632.8nm:</b>
20.00	<b>Power (diopters):</b>

<b>Regulatory Compliance</b>	
<a href="#">View</a>	<b>Certificate of Conformance:</b>

## 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](#).