

TECHSPEC[®] 25mm Dia., 0.50 NA, Uncoated, Calibration Grade Aspheric Lens



Calibration Grade Aspheric Lenses

Stock **#69-142** **6 In Stock**

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1

+

S\$722⁴⁰

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Volume Pricing	
Qty 1-5	S\$722.40 each
Qty 6-25	S\$651.00 each
Qty 26-49	S\$578.20 each
Need More?	Request Quote

Product Downloads

General	
Aspheric Lens	Type:
Physical & Mechanical Properties	
25.00 +0.0/-0.1	Diameter (mm):
≤1	Centering (arcmin):

22.00	Clear Aperture CA (mm):
1.74	Edge Thickness ET (mm):
7.50	Center Thickness CT (mm):
Protective as needed	Bevel:

Plano	Shape of Back Surface:
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Optical Properties

25.00 @ 587.6nm	Effective Focal Length EFL (mm):
0.50	Numerical Aperture NA:

20.28	Back Focal Length BFL (mm):
L-BAL35	Substrate: □

587.6	Aspheric Design Wavelength (nm):
Uncoated	Coating:

20-10	Surface Quality:
1.00	f/#:

61.15	Abbe Number (v _d):
1.589	Index of Refraction (n _d):

330 - 2400	Wavelength Range (nm):
Infinite	Conjugate Distance:

587.6	Focal Length Specification Wavelength (nm):
0.4λ RMS and 2λ PV	Asphere Figure Error, @ 632.8nm:
40.00	Power (diopters):

Material Properties

6.6	Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):
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Regulatory Compliance

View	Certificate of Conformance:
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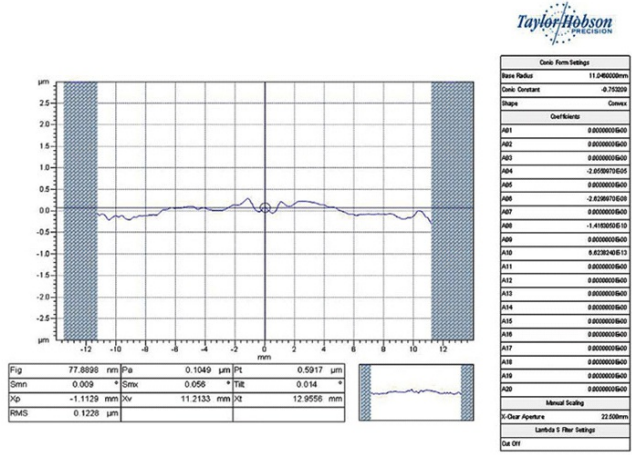
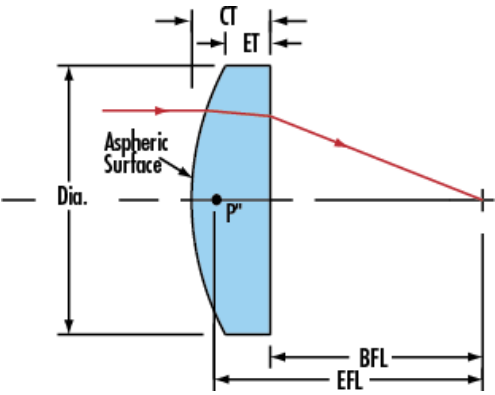
Product Details

- Complete Metrology Data Provided
- Precision Grade Aspheric Surface
- 0.66 and 0.50 NA Lenses

Our TECHSPEC® Calibration Grade Aspheric Lenses offer the ultimate in performance and precision available from an off-the-shelf polished aspheric lenses. Featuring improved aspheric surface figure, surface quality, and centering specification over our [TECHSPEC® Aspheric lenses](#), these optical components are ideal for integration into R&D and OEM applications alike. With high numerical apertures, the lenses are ideal for improving the efficiency of low light level detection systems, or for applications requiring a compact optical path.

Each aspheric lens is serialized and provided with a complete metrology data package. The test data package includes a surface profile performed on our Taylor Hobson Talysurf Profilometer, an interferogram of the spherical surface, and tested values for diameter, center thickness, and centration. For custom designed calibration grade aspheric lenses, coating requirements, or volume pricing, please contact our [Sales Department](#).

Technical Information



Compatible Mounts