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TECHSPEC® 50mm Dia., 0.50 NA, Uncoated, Calibration Grade Aspheric Lens

Calibration Grade Aspheric Lenses

Stock **#69-144** CLEARANCE **15 In Stock**

- 1 + **€759**.00

ADD TO CART

Volume Pricing	
Qty 1-5	**€759,00** each
Qty 6-25	**€688,00** each
Qty 26-49	**€606,00** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Aspheric Lens

Physical & Mechanical Properties

Diameter (mm):

50.00 +0.0/-0.1

Centering (arcmin):

≤1

Clear Aperture CA (mm):
46.00

Edge Thickness ET (mm):
7.85

Center Thickness CT (mm):
19.40

Bevel:
Protective as needed

Shape of Back Surface:
Plano

Optical Properties

Effective Focal Length EFL (mm):
50.00 @ 587.6nm

Numerical Aperture NA:
0.50

Back Focal Length BFL (mm):
37.79

Substrate:
L-BAL35

Aspheric Design Wavelength (nm):
587.6

Asphere Figure Error, RMS @ 632.8nm:
0.4λ

Coating:
Uncoated

Surface Quality:
20-10

f/#:
1.00

Wavelength Range (nm):
330 - 2400

Conjugate Distance:
Infinite

Power (diopters):
20.00

Regulatory Compliance

RoHS 2015:
Compliant

Reach 223:
Compliant

Certificate of Conformance:
View

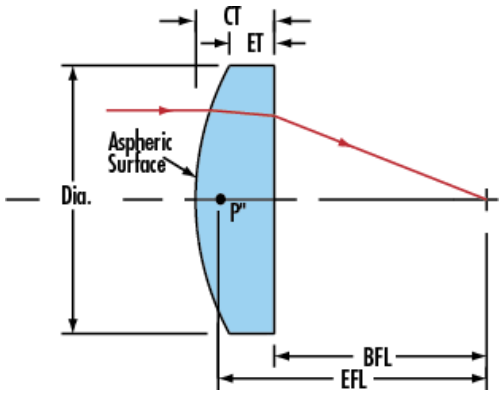
Product Details

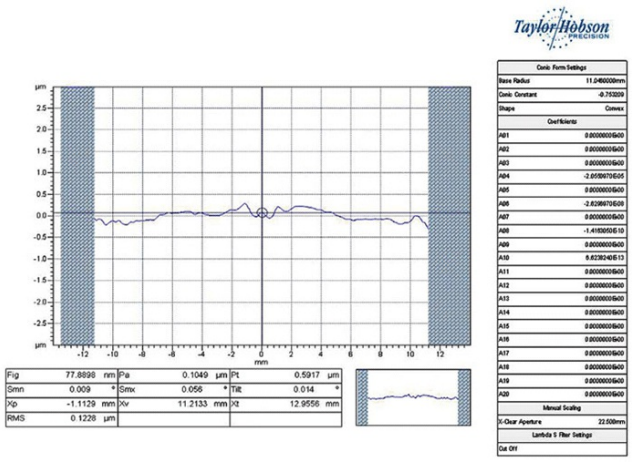
- Complete Metrology Data Provided
- Precision Grade Aspheric Surface
- 0.66 and 0.50 NA Lenses

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

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