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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**

MRP ₹76,576

● Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-5	₹76,576 each
Qty 6-25	₹69,412 each
Qty 26-49	₹61,139 each
Need More?	Request Quote

Product Downloads

General

Aspheric Lens Type:

Physical & Mechanical Properties

50.00 +0.0/-0.1 Diameter (mm):

Centering (arcmin):

≤1	
46.00	Clear Aperture CA (mm):
7.85	Edge Thickness ET (mm):
19.40	Center Thickness CT (mm):
Protective as needed	Bevel:
Plano	Shape of Back Surface:

Optical Properties

50.00 @ 587.6nm	Effective Focal Length EFL (mm):
0.50	Numerical Aperture NA:
37.79	Back Focal Length BFL (mm):
L-BAL35	Substrate: <input type="checkbox"/>
587.6	Aspheric Design Wavelength (nm):
0.4λ	Asphere Figure Error, RMS @ 632.8nm:
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):
20.00	Power (diopters):

Material Properties

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

Compliant	RoHS 2015:
Compliant	Reach 223:
View	Certificate of Conformance:
Singapore	Country of Origin:
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	Imported By:

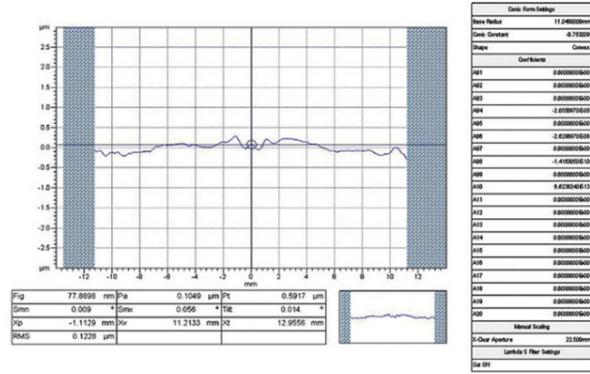
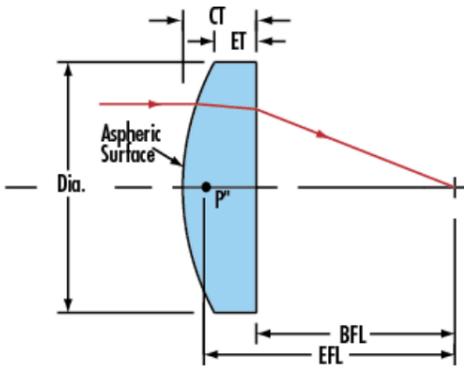
Product Details

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

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