

TECHSPEC®

9mm Dia., 0.33 Numerical Aperture, 350-700nm Coated, Precision Aspheric Lens



Stock #70-061 **2 In Stock** [Other Coating Options](#)

- 1 +

A\$638^{.40}

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Product Downloads

- Curve:pdf
- Curve (xlsx)
- Zemax:zmx
- EO Spec Sheet
- [Download All](#)

TECHSPEC® Precision Aspheric Lenses

Volume Pricing	
Qty 1-5	A\$638.40 each
Qty 6-10	A\$574.40 each
Qty 11-25	A\$523.20 each
Need More?	Request Quote

General

Type: Aspheric Lens

Physical & Mechanical Properties

Diameter (mm):	9.00 +0.00/-0.025	Centering (arcmin):	<3
Clear Aperture CA (mm):	6.75	Edge Thickness ET (mm):	2.86
Center Thickness CT (mm):	4.00 ±0.10	Bevel:	Protective as needed
Shape of Back Surface:	Plano		

Optical Properties

Effective Focal Length EFL (mm):	11.25 @ 587.6nm	Numerical Aperture NA:	0.33
Back Focal Length BFL (mm):	9.03	Substrate: ⓘ	N-SF6
Aspheric Design Wavelength (nm):	587.6	Asphere Figure Error, RMS @ 632.8nm:	0.4λ
Coating:	VIS-EXT+ (350-700nm)	Coating Specification:	Ravg <0.5% @ 350 - 700nm @ ±30° AOI; Rabs <1.5% @ 350 - 700nm @ ±30° AOI

Surface Quality:	40-20	f/#:	1.50
Wavelength Range (nm):	350 - 700	Conjugate Distance:	Infinite
Power (diopters):	88.89		

Regulatory Compliance

RoHS 2015:	Compliant	Certificate of Conformance:	View
Reach 250:	Compliant		

Product Details

- Improved Versions of Our Aspheric Lenses
- Precision Grade Aspheric Surfaces
- High Numerical Apertures to Maximize Throughput

TECHSPEC® Precision Aspheric Lenses are CNC polished aspheric lenses that feature a 0.4λ RMS aspheric figure error. The precision aspheric figure error makes these lenses ideal for applications that require spherical aberration correction, including imaging and laser focusing applications. These aspheric lenses can also be used to replace multiple spherical elements in optical assemblies to reduce weight and cost. TECHSPEC Precision Aspheric Lenses are available with diameters from 6 to 50mm and high numerical apertures to maximize light throughput.

Related Products



Glass Polished



Aspheric Lenses



Optical Lens and Filter Mounts



UV Fused Silica Aspheric Lenses

Frequently Purchased Together



#35-763 - SM1 Retainer Ring
A\$8.40



#36-432 - SM1 Tube, 9mm
Optic Adapter
A\$48.00

Resources

Media Type

- Application Note
- Scientific Paper
- Trending in Optics
- Video
- Published Article
- FAQ
- Glossary

APPLICATION NOTE
Anti-Reflection (AR) Coatings

APPLICATION NOTE
An Introduction to Optical Coatings

CASE STUDIES
Laser Optics for Eye Surgery

APPLICATION NOTE
Lens Geometry Performance Comparison

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All About Aspheric Lenses

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