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TECHSPEC®

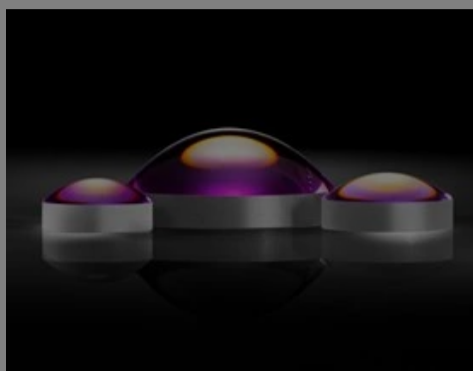
9mm Dia., 0.33

Precision Aspheric Lens

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region: European Union

Submit



Stock #70-085 **6 In Stock** [Other Coating Options](#)

- 1 +

€399⁰⁰

ADD TO CART

TECHSPEC® Precision Aspheric Lenses

Volume Pricing	
Qty 1-5	€399,00 each
Qty 6-10	€359,00 each
Qty 11-25	€327,00 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

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

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:	SWIR+ (900-1700nm)	Coating Specification:	R _{avg} <0.5% @ 900 - 1700nm @ ±30° AOI R _{abs} <1.5% @

Surface Quality:	40-20	f/#:	1.50
Wavelength Range (nm):	900 - 1700	Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order. Select Your Country/Region:	
Power (diopters):	88.89		

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

Product Details

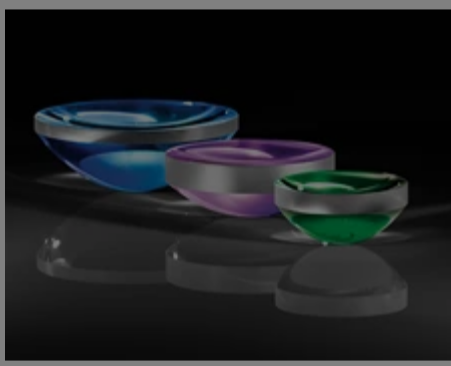
- Improved Versions of Our Aspheric Lenses
- Precision Grade Aspheric Surfaces
- High Numerical Apertures to Maximize Throughput

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

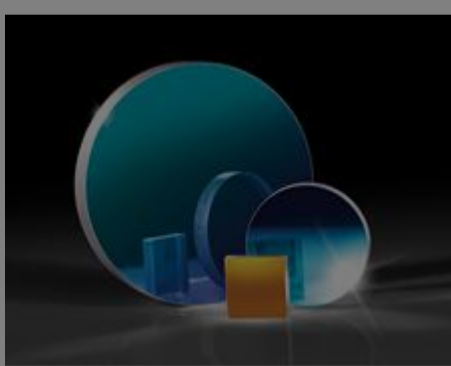


Optical Lens and Filter Mounts



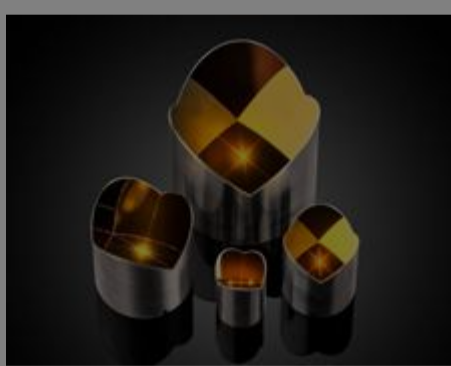
UV Fused Silica Aspheric Lenses

Frequently Purchased Together



#64-027 - 20mm Diameter Protected Gold Coated, λ/10 Mirror
€134,00

Qty



#15-903 - 38.1mm Dia., 5 Arcsec, Bare Gold Replicated Hollow Metal Retroreflector
€695,00

Qty

Resources

Media Type

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

APPLICATION NOTE

Anti-Reflection

APPLICATION NOTE

Ap

CASE STUDIES

Laser Optics
for Eye
Surgery

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APPLICATION NOTE

Lens Geometry
Performance
Comparison

APPLICATION NOTE

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Aspheric
Lenses

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