

TECHSPEC®

15mm Dia., 0.33 Numerical Aperture, 900-1700nm Coated, Precision Aspheric Lens



TECHSPEC® Precision Aspheric Lenses

 Stock #22-997 **2 In Stock** [Other Coating Options](#)

- 1 +

MRP ₹35,211

Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹35,211 each
Qty 6-10	₹31,679 each
Qty 11-25	₹28,855 each
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Product Downloads	
STEP:step	Curve:pdf
PDF Drawing:pdf	IGES:igs
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Zemax:zmx	eDrawing:eprt
Code V:seq	EO Spec Sheet
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General

Type: Aspheric Lens

Physical & Mechanical Properties

Diameter (mm):	15.00 +0.00/-0.025	Centering (arcmin):	<3
Clear Aperture CA (mm):	13.75	Edge Thickness ET (mm):	6.25
Center Thickness CT (mm):	8.79 ±0.10	Bevel:	Protective as needed
Shape of Back Surface:	Plano		

Optical Properties

Effective Focal Length EFL (mm):	22.50 @ 587.6nm	Numerical Aperture NA:	0.33
Back Focal Length BFL (mm):	16.71	Substrate:	N-BK7
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% @ 900 - 1700nm @ ±30° AOI	Surface Quality:	40-20

f/#: 1.50	Wavelength Range (nm): 350 - 700
Conjugate Distance: Infinite	Power (diopters): 44.44
Regulatory Compliance	
RoHS 2015: Compliant	Certificate of Conformance: View
Reach 250: Compliant	
Country of Origin: Singapore	Imported By: 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

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



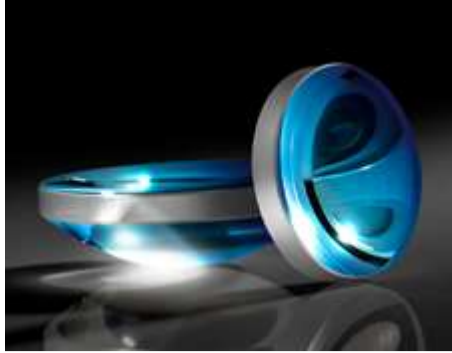
UV Fused Silica Aspheric Lenses

Frequently Purchased Together



#16-991 - 10mm Dia., 0.50 Numerical Aperture, 900-1700nm Coated, Precision Aspheric Lens
₹28,149

Qty



#16-297 - 25mm Dia., 0.25 NA, 900-1700nm Coated, NIR Aspheric Lens
₹30,167

Qty



#16-301 - 50mm Dia., 0.25 NA, 900-1700nm Coated, NIR Aspheric Lens
₹60,434

Qty

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

APPLICATION NOTE

All About Aspheric Lenses

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