

TECHSPEC®

15mm Dia., 0.50 Numerical Aperture, 900-1700nm Coated, Precision Aspheric Lens


 Stock #16-993 **2 In Stock** [Other Coating Options](#)

- 1 +

MRP ₹35,211

Price inclusive of all taxes

ADD TO CART

TECHSPEC® Precision Aspheric Lenses

Volume Pricing	
Qty 1-5	₹35,211 each
Qty 6-10	₹31,679 each
Qty 11-25	₹28,855 each
Need More?	Request Quote

Product Downloads

- STEP:step Curve:pdf
- PDF Drawing:pdf IGES:igs
- Curve (xlsx) Zemax:zar
- eDrawing:eprt Code V:seq
- EO Spec Sheet [Download All](#)

General
Type: Aspheric Lens

Physical & Mechanical Properties

Diameter (mm):	15.00 +0.00/-0.025	Centering (arcmin):	<3
Clear Aperture CA (mm):	13.50	Edge Thickness ET (mm):	6.21
Center Thickness CT (mm):	8.62 ±0.10	Bevel:	Protective as needed
Shape of Back Surface:	Plano		

Optical Properties

Effective Focal Length EFL (mm):	15.00 @ 587.6nm	Numerical Aperture NA:	0.50
Back Focal Length BFL (mm):	10.22	Substrate: ⓘ	N-SF6
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/#: 1.00	Wavelength Range (nm): 900 - 1700
Conjugate Distance: Infinite	Power (diopters): 66.67
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

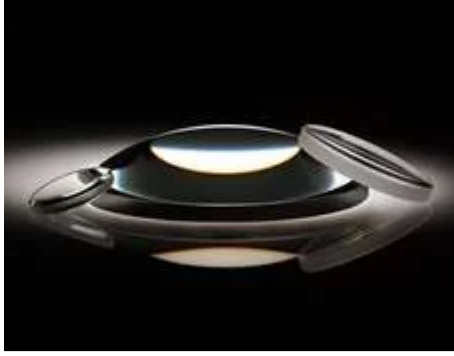


Optical Lens and Filter Mounts



UV Fused Silica Aspheric Lenses

Frequently Purchased Together



#67-494 - 12.0mm Dia. x 15.0mm FL,
NIR II Coated, Plano-Convex Lens
₹4,893

Qty



#13-789 - 12.5/12.7mm Optic Dia.,
SM05 Thin Mount, M4
₹1,967

Qty



#16-291 - 12.5mm Dia., 0.63
NA, 900-1700nm Coated, NIR
Aspheric Lens
₹24,113




Qty



#16-976 - 20mm Dia., 0.80
Numerical Aperture, 600-1050nm
Coated, Precision Aspheric Lens
₹48,327

Qty

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
 	15.0mm Optic Dia., Optic Mount	Fixed		#64-557	₹3,305 Request Quote	10 In Stock <input type="text" value="1"/>
 	15mm Diameter, C- Mount Thick Optic Mount	Fixed		#54-624	₹6,003 Request Quote	3 In Stock <input type="text" value="1"/>

Check out our full selection of mounts [here](#).

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

WEBINARS

Design Considerations for Custom Aspheres

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