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TECHSPEC®

25mm Dia., 0.83

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

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Stock #67-252 **20+ In Stock** [Other Coating Options](#)

1

€479⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	€479,00 each
Qty 6-25	€431,00 each
Qty 26-49	€402,00 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

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

General

Type: Aspheric Lens

Physical & Mechanical Properties

Diameter (mm):	25.00 +0.0/-0.1	Centering (arcmin):	≤5
Clear Aperture CA (mm):	22.5	Edge Thickness ET (mm):	1.64
Center Thickness CT (mm):	11.00 ±0.1	Bevel:	Protective as needed
Shape of Back Surface:	Plano		

Optical Properties

Effective Focal Length EFL (mm):	15.00 @ 587.6nm	Numerical Aperture NA:	0.83
Back Focal Length BFL (mm):	8.42	Substrate: N-SF5	
Aspheric Design Wavelength (nm):	587.6	Asphere Figure Error, RMS @ 632.8nm:	1.2λ
Coating:	BBAR (425-675nm)	Coating Specification:	R _{avg} ≤1.5% @ 425 - 675nm
Surface Quality:	60-40	f/#:	0.6

Abbe Number (v_d):	32.25	Index of Refraction (n_d):	1.673
Wavelength Range (nm):	425 - 675	Conjugate:	Infinite
Focal Length Specification Wavelength (nm):	587.6		

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Material Properties

Coefficient of Thermal Expansion CTE (10⁻⁶/°C):	7.9
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Regulatory Compliance

RoHS 2015: Compliant	Certificate of Conformance: View
Reach 235: Compliant	

Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

- Diameters from 10 to 200mm
- Focal Lengths from 7.5 to 300mm
- Broadband AR Coatings Available

TECHSPEC® Aspheric Lenses are designed to focus light while eliminating spherical aberration from divergent light sources in applications including focusing the output of a laser diode. **Aspheric lenses can increase the numerical aperture of a lens while minimizing system aberrations.** Aspheric lenses may also reduce the number of elements needed in a multi-element system. Aspheric lenses can reduce overall system weight while providing advantages such as increasing throughput or simplifying assembly.

TECHSPEC Aspheric Lenses feature low f/#'s for optimum light gathering performance. Prescription data is available to easily integrate these aspheric lenses into an optical system. These lenses have also been computer optimized to eliminate spherical aberration while minimizing higher order aberrations. VIS coating option provides less than 1.5% reflection from 425 – 675nm. NIR coating option provides less than 1.5% reflection from 600 – 1050nm. Contact our sales department for volume pricing or for help specifying a custom aspheric lens.

Technical Information

Related Products



#56-354 - 25/25.4mm Diameter, C-Mount Thick Optic Mount

€99,00



#64-560 - 25.0mm Optic Dia., Optic Mount

€32,75



#52-292 - 25/25.4mm Diameter, T-Mount Thin Optic Mount

€72,00



#13-787 - 25.0/25.4mm Optic Dia., SM1 Thin Mount, M4

€21,00

Qty Qty Qty Qty 

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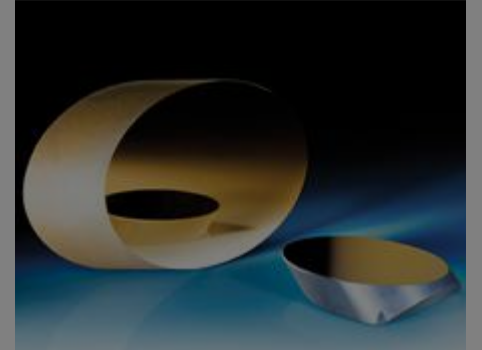
#03-625 - 30mm - 50mm Length,
C-Mount Fine Focus Tube
€118,00

Qty 

#03-629 - C-Mount Double Male
Thread Ring
€36,75

Qty 


































#03-630 - C-Mount Double Female
Thread Ring
€36,75





Qty 

#32-134 - Elliptical Mirror 38.1mm
Minor Axis Enhanced Aluminum
€160,00

Qty 

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
 	25.0/25.4mm Optic Dia., SM1 Thin Mount, M4	Fixed		#13-787	€21,00 Request Quote	14 In Stock <input type="text" value="1"/> 
 	25.0/25.4mm Optic Dia., SM1 Thin Mount, 8-32	Fixed		#13-788	€21,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	25.0mm Optic Dia., Optic Mount	Fixed		#64-560	€32,75 Request Quote	3 In Stock <input type="text" value="1"/> 
 	25mm Thin Inner Single Optic Mount	Fixed		#38-755	€41,00 Request Quote	14 In Stock <input type="text" value="1"/> 
 	25.0/25.4mm Optic Dia., L-Slot Direct Mount	Fixed		#36-410	€68,00 Request Quote	15 In Stock <input type="text" value="1"/> 
 	25.0/25.4mm Optic Dia., Side Flange Direct Mount	Fixed		#36-414	€71,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	25mm Thin Inner Pair Optic Mounts	Fixed		#11-052	€80,50 Request Quote	3 In Stock <input type="text" value="1"/> 
 	25mm Thick Inner Pair Optic Mounts	Fixed		#11-054	€80,50 Request Quote	5 In Stock <input type="text" value="1"/> 
 	25/25.4mm Diameter, C-Mount Thin Optic Mount	Fixed		#56-353	€99,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	25.0/25.4mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-411	€102,00 Request Quote	5 In Stock <input type="text" value="1"/> 
 	25.0/25.4mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-956	€276,00 Request Quote	2 In Stock <input type="text" value="1"/> 

	Title	Type	Compare	Stock Number	Price	Buy
MORE+ 	25.0/25.4mm Optic Dia., X Translating Mount				€540,00	6 In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., Optical Mou					2 In Stock <input type="text" value="1"/> 

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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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