

TECHSPEC® 25mm Dia 0.42 NA, 532nm V-Coat, Aspheric Lens



TECHSPEC® Laser Line Coated Aspheric Lenses

Stock #33-016 **4 In Stock** [Other Coating Options](#)

- 1 +












MRP ₹62,250

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-5	₹62,250 each
Qty 6-25	₹50,143 each
Qty 26-49	₹46,813 each
Need More?	Request Quote

Product Downloads

-  STEP:step
-  Curve:pdf
-  PDF Drawing:pdf
-  IGES:igs
-  Curve (xlsx):xlsx
-  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):	2.21
Center Thickness CT (mm):	8.50 ±0.1	Bevel:	Protective as needed
Shape of Back Surface:	Plano		

Optical Properties

Effective Focal Length EFL (mm):	30.00 @ 587.6nm	Numerical Aperture NA:	0.42
Back Focal Length BFL (mm):	24.17	Substrate:	Fused Silica (Corning 7980)
Aspheric Design Wavelength (nm):	532	Asphere Figure Error, RMS @ 632.8nm:	1.2λ
Coating:	Laser V-Coat (532nm)	Coating Specification:	R _{abs} <0.25% @ 532nm
Surface Quality:	60-40	f/#:	1.2
Abbe Number (v_d):	67.8	Design Wavelength DWL (nm):	532

Index of Refraction (n_d):	1.458	Conjugate Distance:	Infinite
Focal Length Specification Wavelength (nm):	587.6	Damage Threshold, By Design: ⓘ	10 J/cm ² @ 532nm, 20ns, 20Hz
Power (diopters):	33.33		

Material Properties

Coefficient of Thermal Expansion CTE (10⁻⁶/°C):	0.52		
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Regulatory Compliance

RoHS 2015:	Compliant	Certificate of Conformance:	View
Reach 235:	Compliant		
Country of Origin:	Japan	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

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

- Designed and Coated for Nd:YAG Laser Wavelengths
- High Laser Damage Thresholds
- Low Coefficient of Thermal Expansion

TECHSPEC® Laser Line Coated Aspheric Lenses are designed to maximize performance in high power Nd:YAG laser applications. The aspheric designs minimize spherical aberration to decrease laser spot size and maintain high power per area. Additionally, TECHSPEC® Laser Line Coated Aspheric Lenses feature high performance coatings that have been optimized for the most popular Nd:YAG laser wavelengths and a high damage threshold, UV fused silica substrate that is highly resistant to thermal expansion.



Related Products



Aspheric Laser Lenses



Hyperbolic Aspheric Lenses



High Precision Laser Grade Aspheric Lenses



Optical Lens and Filter Mounts

Frequently Purchased Together











#67-110 - 532nm, 12.5mm Diameter, OD 4.0 Notch Filter
₹32,285

Qty

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
MORE+	25.0/25.4mm Optic Dia., SM1 Thin Mount, M4	Fixed		#13-787	₹2,119 Request Quote	2 In Stock <input type="text" value="1"/>
MORE+	25.0/25.4mm Optic Dia., SM1 Thin Mount, 8-32	Fixed		#13-788	₹2,119 Request Quote	CONTACT US <input type="text" value="1"/>
MORE+	25.0mm Optic Dia., Optic Mount	Fixed		#64-560	₹3,305 Request Quote	CONTACT US <input type="text" value="1"/>
MORE+	25mm Thin Inner Single Optic Mount	Fixed		#38-755	₹4,137 Request Quote	5 In Stock <input type="text" value="1"/>
MORE+	25.0/25.4mm Optic Dia., L-Slot Direct Mount	Fixed		#36-410	₹6,861 Request Quote	9 In Stock <input type="text" value="1"/>
MORE+	25.0/25.4mm Optic Dia., Side Flange Direct Mount	Fixed		#36-414	₹7,164 Request Quote	CONTACT US <input type="text" value="1"/>
MORE+	25mm Thin Inner Pair Optic Mounts	Fixed		#11-052	₹8,122 Request Quote	3 In Stock <input type="text" value="1"/>
MORE+	25mm Thick Inner Pair Optic Mounts	Fixed		#11-054	₹8,122 Request Quote	11 In Stock <input type="text" value="1"/>
MORE+	25/25.4mm Diameter, C-Mount Thin Optic Mount	Fixed		#56-353	₹9,989 Request Quote	20+ In Stock <input type="text" value="1"/>

	Title	Type	Compare	Stock Number	Price	Buy
MORE+ 	25.0/25.4mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-411	₹10,291 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-956	₹27,846 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-959	₹54,481 Request Quote	6 In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., 5 Axes Optical Mount	Adjustable - Linear (XYZ) & Tip-Tilt		#13-776	₹76,173 Request Quote	2 In Stock <input type="text" value="1"/> 

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

Resources

Media Type

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

APPLICATION NOTE

Anti-Reflection (AR) Coatings

TECHNICAL TOOL

Gaussian Beams Calculator

APPLICATION NOTE

Lens Geometry Performance Comparison

CASE STUDIES

Laser Optics for Eye Surgery

APPLICATION NOTE

All About Aspheric Lenses

WEBINARS

Design Considerations for Custom Aspheres

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