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TECHSPEC® 25mm Dia 0.42 NA, 1064nm V-Coat, Aspheric Lens



TECHSPEC® Laser Line Coated Aspheric Lenses

Stock #33-020 **12 In Stock**

[Other Coating Options](#)

⊖ 1 ⊕ **\$863⁰⁰**

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Volume Pricing	
Qty 1-5	\$863.80 each
Qty 6-25	\$695.80 each
Qty 26-49	\$649.60 each
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Product Downloads

General

Aspheric Lens **Type:**

Physical & Mechanical Properties

25.00 +0.0/-0.1 **Diameter (mm):**

Centering (arcmin):

≤5	
22.5	Clear Aperture CA (mm):
2.21	Edge Thickness ET (mm):
8.50 ±0.1	Center Thickness CT (mm):
Protective as needed	Bevel:
Plano	Shape of Back Surface:

Optical Properties

30.00 @ 587.6nm	Effective Focal Length EFL (mm):
0.42	Numerical Aperture NA:
24.17	Back Focal Length BFL (mm):
Fused Silica (Corning 7980)	Substrate: <input type="checkbox"/>
1064	Aspheric Design Wavelength (nm):
1.2λ	Asphere Figure Error, RMS @ 632.8nm:
Laser V-Coat (1064nm)	Coating:
R _{abs} ≤0.25% @ 1064nm	Coating Specification:
60-40	Surface Quality:
1.0	f#:
67.8	Abbe Number (v _d):
1064	Design Wavelength DWL (nm):
1.458	Index of Refraction (n _d):
Infinite	Conjugate Distance:
587.6	Focal Length Specification Wavelength (nm):
15 J/cm ² @ 1064nm, 20ns, 20Hz	Damage Threshold, By Design: <input type="checkbox"/>
33.33	Power (diopters):

Material Properties

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

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

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.



Compatible Mounts
