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TECHSPEC® 25mm Dia. x 150mm FL, YAG-BBAR Coated, Achromatic Lens

YAG-BBAR Coated Achromatic Lenses

Stock **#33-212** **20+ In Stock**

Other Coating Options

- 1 + **S$179.20**

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Volume Pricing	
Qty 1-5	**S$179.20** each
Qty 6-25	**S$142.80** each
Qty 26-49	**S$133.70** each
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Product Downloads

General

Type:

Achromatic Lens

Physical & Mechanical Properties

Diameter (mm):

25.00 +0.000/-0.025

Clear Aperture CA (mm):

24.00

Centering (arcmin):

<1

Center Thickness CT (mm):

7.90 ±0.20

Center Thickness CT 1 (mm):

5.7 ±0.10

Center Thickness CT 2 (mm):

2.2 ±0.10

Edge Thickness ET (mm):

6.65

Bevel:

Protective as needed

Optical Properties

Effective Focal Length EFL (mm):

150.00

Focal Length Tolerance (%):

±1

Back Focal Length BFL (mm):

146.1

Focal Length Specification Wavelength (nm):

587.6

Radius R_1 (mm):

91.37

Radius R_2 (mm):

66.21

Radius R_3 (mm):

197.71

Substrate:

N-BK7 / N-SF5

Surface Quality:

40-20

f/#:

6.00

Numerical Aperture NA:

0.08

Coating:

YAG-BBAR (500-1100nm)

Coating Specification:

R_{abs} <0.25% @ 532nm
R_{abs} <0.25% @ 1064nm
R_{avg} <1.0% @ 500 - 1100nm

Power (P-V) @ 632.8nm:

1.5λ

Irregularity (P-V) @ 632.8nm:

λ/4

Wavelength Range (nm):

500 - 1100

Regulatory Compliance

RoHS 2015:

Compliant

Reach 219:

Compliant

Certificate of Conformance:

View

Product Details

- Optimized for <0.25% Absolute Reflectivity at 532nm and 1064nm
- Excellent Broadband Transmission from 500 - 1100nm
- Low Cost Alternative to Air-Spaced Focusing Doublets

TECHSPEC® YAG-BBAR Coated Achromatic Lenses consist of two optical components cemented together to form a doublet that is ideal for correcting on-axis spherical and chromatic aberrations. These achromats feature a broadband anti-reflective coating with superior transmission from 500 - 1100nm, and are optimized for less than 0.25% absolute reflectivity at 532 and 1064nm. Our TECHSPEC® YAG-BBAR Coated Achromatic Lenses are specifically designed to minimize the spot size for polychromatic illumination within the recommended usable wavelength range, but may also be used for focusing Nd:YAG lasers, especially those with an alignment beam.

Custom

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.**

Compatible Mounts