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**TECHSPEC® 12.7mm Dia x 31.8mm FL, YAG-BBAR Coated, Achromatic Doublet Lens**



YAG-BBAR Coated Achromatic Lenses



Stock **#15-476** **20+ In Stock**

[Other Coating Options](#)

1 **₹6,539**

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Volume Pricing	
Qty 1-5	₹6,539 each
Qty 6-25	₹5,216 each
Qty 26-49	₹4,905 each
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Product Downloads

**General**

Achromatic Lens **Type:**

**Physical & Mechanical Properties**

**Diameter (mm):**

12.70 +0.0/-0.025

11.70 **Clear Aperture CA (mm):**

<1 **Centering (arcmin):**

5.75 ±0.20 **Center Thickness CT (mm):**

4.00 ±0.10 **Center Thickness CT 1 (mm):**

1.75 ±0.10 **Center Thickness CT 2 (mm):**

4.45 **Edge Thickness ET (mm):**

Protective as needed **Bevel:**

## Optical Properties

31.75 **Effective Focal Length EFL (mm):**

±1 **Focal Length Tolerance (%):**

28.83 **Back Focal Length BFL (mm):**

587.6 **Focal Length Specification Wavelength (nm):**

21.13 **Radius R<sub>1</sub> (mm):**

-16.69 **Radius R<sub>2</sub> (mm):**

-61.73 **Radius R<sub>3</sub> (mm):**

**Substrate:**   
N-SSK8 / N-SF56

40-20 **Surface Quality:**

2.5 **f##:**

0.20 **Numerical Aperture NA:**

YAG-BBAR (500-1100nm) **Coating:**

**Coating Specification:**  
R<sub>abs</sub> <0.25% @ 532nm  
R<sub>abs</sub> <0.25% @ 1064nm  
R<sub>avg</sub> <1.0% @ 500 - 1100nm

1.5λ **Power (P-V) @ 632.8nm:**

M4 **Irregularity (P-V) @ 632.8nm:**

500 - 1100 **Wavelength Range (nm):**

## Regulatory Compliance

[View](#) **Certificate of Conformance:**

Japan **Country of Origin:**

Edmund Optics India Private Limited **Imported By:**

## Product Details

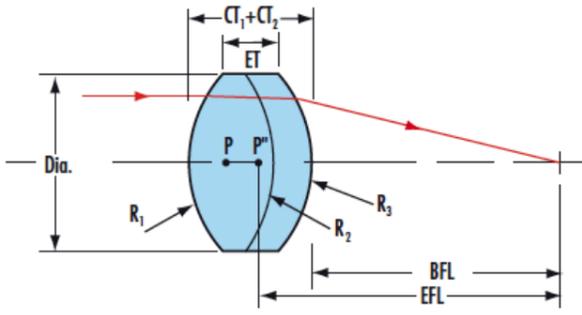
- Optimized for <0.25% Absolute Reflectivity at 532nm and 1064nm
- Excellent Broadband Transmission from 500 - 1100nm
- Low Cost Alternative to Air-Spaced Focusing Doublets

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.

**LASER OPTICS** MADE BY EDMUND OPTICS®

[LEARN MORE](#)

## Technical Information



## 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

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