

TECHSPEC®

12.5mm Dia. x 75mm FL, YAG-BBAR Coated, Achromatic Lens



YAG-BBAR Coated Achromatic Lenses



Stock **#33-207** 3-4 DAYS

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1

+

£69.70

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£69.70

Qty 6+

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Diameter (mm):  
12.50 +0.000/-0.025

|                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Effective Focal Length EFL (mm):</b><br>75.00                                                                                              |
| <b>Focal Length Tolerance (%):</b><br>±1                                                                                                      |
| <b>Back Focal Length BFL (mm):</b><br>72.35                                                                                                   |
| <b>Focal Length Specification Wavelength (nm):</b><br>587.6                                                                                   |
| <b>Clear Aperture CA (mm):</b><br>11.5                                                                                                        |
| <b>Centering (arcmin):</b><br><1                                                                                                              |
| <b>Center Thickness CT (mm):</b><br>4.60 ±0.10                                                                                                |
| <b>Center Thickness CT 1 (mm):</b><br>3.00 ±0.05                                                                                              |
| <b>Center Thickness CT 2 (mm):</b><br>1.6 ±0.05                                                                                               |
| <b>Radius R<sub>1</sub> (mm):</b><br>46.44                                                                                                    |
| <b>Radius R<sub>2</sub> (mm):</b><br>33.77                                                                                                    |
| <b>Radius R<sub>3</sub> (mm):</b><br>95.94                                                                                                    |
| <b>Edge Thickness ET (mm):</b><br>3.97                                                                                                        |
| <b>Substrate:</b> <input type="checkbox"/><br><a href="#">N-BK7</a> / <a href="#">N-SF5</a>                                                   |
| <b>Surface Quality:</b><br>40-20                                                                                                              |
| <b>f/#:</b><br>6.00                                                                                                                           |
| <b>Numerical Aperture NA:</b><br>0.08                                                                                                         |
| <b>Coating:</b><br>YAG-BBAR (500-1100nm)                                                                                                      |
| <b>Coating Specification:</b><br>R <sub>abs</sub> <0.25% @ 532nm<br>R <sub>abs</sub> <0.25% @ 1064nm<br>R <sub>avg</sub> <1.0% @ 500 - 1100nm |
| <b>Power (P-V) @ 632.8nm:</b><br>1.5λ                                                                                                         |
| <b>Irregularity (P-V) @ 632.8nm:</b><br>λ/4                                                                                                   |
| <b>Bevel:</b><br>Protective bevel as needed                                                                                                   |
| <b>Type:</b><br>Achromatic Lens                                                                                                               |
| <b>Wavelength Range (nm):</b><br>500 - 1100                                                                                                   |

## Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Compliant</a>             |
| <b>Reach 219:</b><br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |