

TECHSPEC®

50mm Dia. x 250mm FL YAG-BBAR Coated, Double-Convex Lens



YAG-BBAR Coated Double-Convex (DCX) Lenses



Stock **#89-293** 3-4 DAYS

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⊖ 1 ⊕

£61.63

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Diameter (mm):  
50.00 +0.0/-0.025

|                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Back Focal Length BFL (mm):</b><br>248.37                                                                                                  |
| <b>Effective Focal Length EFL (mm):</b><br>250.00                                                                                             |
| <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>Substrate:</b> <input type="checkbox"/><br><a href="#">N-BK7</a>                                                                           |
| <b>Surface Quality:</b><br>40-20                                                                                                              |
| <b>Power (P-V) @ 632.8nm:</b><br>1.5λ                                                                                                         |
| <b>Irregularity (P-V) @ 632.8nm:</b><br>λ/4                                                                                                   |
| <b>Centering (arcmin):</b><br><1                                                                                                              |
| <b>Bevel:</b><br>Protective bevel as needed                                                                                                   |
| <b>Center Thickness CT (mm):</b><br>4.93                                                                                                      |
| <b>Center Thickness Tolerance (mm):</b><br>±0.10                                                                                              |
| <b>Edge Thickness ET (mm):</b><br>2.5                                                                                                         |
| <b>Radius R<sub>1</sub>=R<sub>2</sub> (mm):</b><br>257.57                                                                                     |
| <b>Clear Aperture CA (mm):</b><br>49.00                                                                                                       |
| <b>f/#:</b><br>5.00                                                                                                                           |
| <b>Focal Length Specification Wavelength (nm):</b><br>587.6                                                                                   |
| <b>Focal Length Tolerance (%):</b><br>±1                                                                                                      |
| <b>Numerical Aperture NA:</b><br>0.10                                                                                                         |
| <b>Type:</b><br>Double-Convex Lens                                                                                                            |
| <b>Wavelength Range (nm):</b><br>350 - 2200                                                                                                   |
| <b>Damage Threshold, By Design:</b> <input type="checkbox"/><br>5 J/cm² @ 532nm, 10ns                                                         |

### Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |
| <b>Reach 235:</b><br><a href="#">Compliant</a>             |