

TECHSPEC® 12.0mm Dia. x 42.0mm FL, YAG-BBAR Coated Plano-Convex Lens



YAG-BBAR Coated Plano-Convex (PCX) Lenses



Stock #88-837   ☐ In Stock

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-

1

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C\$61.60

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Diameter (mm):  
12.00 +0.0/-0.025

Effective Focal Length EFL (mm):

|                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 42.00 @ 587.6nm                                                                                                                               |
| <b>Back Focal Length BFL (mm):</b><br>40.22                                                                                                   |
| <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>Focal Length Tolerance (%):</b><br>±1                                                                                                      |
| <b>Centering (arcmin):</b><br><1                                                                                                              |
| <b>Center Thickness CT (mm):</b><br>2.70 ±0.05                                                                                                |
| <b>Edge Thickness ET (mm):</b><br>1.85                                                                                                        |
| <b>Radius R<sub>1</sub> (mm):</b><br>21.71                                                                                                    |
| <b>Clear Aperture CA (mm):</b><br>11                                                                                                          |
| <b>f/#:</b><br>3.5                                                                                                                            |
| <b>Numerical Aperture NA:</b><br>0.14                                                                                                         |
| <b>Type:</b><br>Plano-Convex Lens                                                                                                             |
| <b>Bevel:</b><br>Protective bevel as needed                                                                                                   |
| <b>Wavelength Range (nm):</b><br>500 - 1100                                                                                                   |
| <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>             |