

TECHSPEC®

4.5mm Dia. x 4.5mm FL, VIS-NIR Coated, Double-Convex Lens



Stock **#47-893** ☐ In Stock  
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1

C\$91.00

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| Qty 1-9                       |
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Diameter (mm):  
4.50 +0.0/-0.025

Back Focal Length BFL (mm):  
3.70

|                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Effective Focal Length EFL (mm):</b><br>4.50                                                                                                      |
| <b>Coating:</b><br>VIS-NIR (400-1000nm)                                                                                                              |
| <b>Coating Specification:</b><br>R <sub>abs</sub> ≤0.25% @ 880nm<br>R <sub>avg</sub> ≤1.25% @ 400 - 870 nm<br>R <sub>avg</sub> ≤1.25% @ 890 - 1000nm |
| <b>Substrate:</b> <input type="checkbox"/><br><a href="#">N-LASF44</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>30-45, typical                                                                                                         |
| <b>Bevel:</b><br>Protective bevel as needed                                                                                                          |
| <b>Center Thickness CT (mm):</b><br>2.60                                                                                                             |
| <b>Center Thickness Tolerance (mm):</b><br>±0.05                                                                                                     |
| <b>Edge Thickness ET (mm):</b><br>1.80                                                                                                               |
| <b>Radius R<sub>1</sub>=R<sub>2</sub> (mm):</b><br>6.58                                                                                              |
| <b>Clear Aperture CA (mm):</b><br>4.05                                                                                                               |
| <b>f/#:</b><br>1.00                                                                                                                                  |
| <b>Focal Length Specification Wavelength (nm):</b><br>587.6                                                                                          |
| <b>Focal Length Tolerance (%):</b><br>±1                                                                                                             |
| <b>Numerical Aperture NA:</b><br>0.50                                                                                                                |
| <b>Type:</b><br>Double-Convex Lens                                                                                                                   |
| <b>Wavelength Range (nm):</b><br>400 - 1000                                                                                                          |
| <b>Damage Threshold, By Design:</b> <input type="checkbox"/><br>5 J/cm <sup>2</sup> @ 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>             |