

**TECHSPEC® 8mm Dia x 12.5mm EFL Hastings Triplet Achromatic Lens**



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**£91.80**

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**Diameter (mm):**  
8.00 +0.0/-0.025

**Effective Focal Length EFL (mm):**  
12.50

**Focal Length Tolerance (%):**  
±2

|                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Back Focal Length BFL (mm):<br>9.82                                                                                                                                 |
| Focal Length Specification Wavelength (nm):<br>587.6                                                                                                                |
| Centering (arcmin):<br><3                                                                                                                                           |
| Center Thickness CT (mm):<br>7.23                                                                                                                                   |
| Center Thickness A (mm):<br>5.23                                                                                                                                    |
| Center Thickness B (mm):<br>1.00                                                                                                                                    |
| Radius R <sub>1</sub> (mm):<br>9.40                                                                                                                                 |
| Radius R <sub>2</sub> (mm):<br>4.805                                                                                                                                |
| Radius R <sub>3</sub> (mm):<br>-4.805                                                                                                                               |
| Radius R <sub>4</sub> (mm):<br>-9.395                                                                                                                               |
| Edge Thickness ET (mm):<br>5.44                                                                                                                                     |
| Substrate: <br><a href="#">N-F2</a> / <a href="#">N-BK7</a> / <a href="#">N-F2</a> |
| Surface Quality:<br>40-20                                                                                                                                           |
| f/#:<br>1.56                                                                                                                                                        |
| Numerical Aperture NA:<br>0.32                                                                                                                                      |
| Coating:<br>MgF <sub>2</sub> (400-700nm)                                                                                                                            |
| Coating Specification:<br>R <sub>avg</sub> ≤1.75% @400 - 700nm                                                                                                      |
| Power (P-V) @ 632.8nm:<br>1.5λ                                                                                                                                      |
| Irregularity (P-V) @ 632.8nm:<br>λ/4                                                                                                                                |
| Bevel:<br>Protective bevel as needed                                                                                                                                |
| Type:<br>Achromatic Triplet Lens                                                                                                                                    |
| Wavelength Range (nm):<br>400 - 700                                                                                                                                 |

## Regulatory Compliance

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