

**TECHSPEC® 50.8mm Dia. x 50.8mm FL, 8-12µm AR Coated, ZnSe Aspheric Lens**

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TECHSPEC Zinc Selenide (ZnSe) Aspheric Lenses

Stock **#39-518** 3-4 DAYS

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- 1 + **€2.210,00**

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**Diameter (mm):**  
50.80 +0.00/-0.10

**Effective Focal Length EFL (mm):**  
50.80

|                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Numerical Aperture NA:</b><br>0.50                                                                                          |
| <b>Back Focal Length BFL (mm):</b><br>48.10                                                                                    |
| <b>Substrate:</b> <br>Coherent® Infrared ZnSe |
| <b>Asphere Figure Error, RMS @ 632.8nm:</b><br><i>N</i> 2                                                                      |
| <b>Coating:</b><br>BBAR (8000-12000nm)                                                                                         |
| <b>Coating Specification:</b><br>R <sub>avg</sub> <0.5% @ 8 - 12μm                                                             |
| <b>Centering (arcmin):</b><br>≤3                                                                                               |
| <b>Centering, ETD (μm):</b><br>≤12.7                                                                                           |
| <b>Surface Quality:</b><br>40-20                                                                                               |
| <b>Clear Aperture CA (mm):</b><br>45.72                                                                                        |
| <b>Edge Thickness ET (mm):</b><br>2.08                                                                                         |
| <b>Center Thickness CT (mm):</b><br>6.50 ±0.10                                                                                 |
| <b>f#:</b><br>1                                                                                                                |
| <b>Bevel:</b><br>Protective bevel as needed                                                                                    |
| <b>Shape of Back Surface:</b><br>Plano                                                                                         |
| <b>Type:</b><br>Aspheric Lens                                                                                                  |
| <b>Wavelength Range (nm):</b><br>8000 - 12000                                                                                  |
| <b>Conjugate Distance:</b><br>Infinite                                                                                         |
| <b>Surface Roughness (Angstroms):</b><br><50 RMS                                                                               |
| <b>Power (P-V) @ 10.6μm:</b><br><i>N</i> 10                                                                                    |
| <b>Power (P-V) @ 632.8nm:</b><br><i>N</i> 10                                                                                   |

## Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Compliant</a>             |
| <b>Reach 224:</b><br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |