

TECHSPEC<sup>®</sup> 50.8mm Dia. x 50.8mm FL, Uncoated, ZnSe Aspheric Lens

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TECHSPEC Zinc Selenide (ZnSe) Aspheric Lenses

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C\$2,940.00

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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>λ/2                                                                             |
| <b>Coating:</b><br>Uncoated                                                                                                    |
| <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>600 - 18000                                                                                   |
| <b>Conjugate Distance:</b><br>Infinite                                                                                         |
| <b>Surface Roughness (Angstroms):</b><br><50 RMS                                                                               |
| <b>Power (P-V) @ 10.6μm:</b><br>λ/10                                                                                           |
| <b>Power (P-V) @ 632.8nm:</b><br>λ/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> |