

**TECHSPEC® 50.8mm Dia. x 150mm FL, Uncoated, ZnSe Plano-Convex Lens**

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TECHSPEC Zinc Selenide (ZnSe) Plano-Convex (PCX) Lenses

Stock **#39-540** 3-4 DAYS

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- 1 + **€966,00**

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

**Effective Focal Length EFL (mm):**  
150.00 @ 10.6µm

|                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Back Focal Length BFL (mm):</b><br>148.34                                                                                   |
| <b>Coating:</b><br>Uncoated                                                                                                    |
| <b>Substrate:</b> <br>Coherent® Infrared ZnSe |
| <b>Surface Quality:</b><br>40-20                                                                                               |
| <b>Power (P-V) @ 632.8nm:</b><br>$\lambda$                                                                                     |
| <b>Power (P-V) @ 10.6μm:</b><br>$\lambda$ 10                                                                                   |
| <b>Irregularity (P-V) @ 10.6μm:</b><br>$\lambda$ 20                                                                            |
| <b>Centering, ETD (μm):</b><br>≤12.7                                                                                           |
| <b>Center Thickness CT (mm):</b><br>4.00 ±0.10                                                                                 |
| <b>Edge Thickness ET (mm):</b><br>2.46                                                                                         |
| <b>Radius R<sub>1</sub> (mm):</b><br>210.40                                                                                    |
| <b>Clear Aperture CA (mm):</b><br>45.72                                                                                        |
| <b>f#:</b><br>2.95                                                                                                             |
| <b>Numerical Aperture NA:</b><br>0.17                                                                                          |
| <b>Type:</b><br>Plano-Convex Lens                                                                                              |
| <b>Bevel:</b><br>Protective bevel as needed                                                                                    |
| <b>Wavelength Range (nm):</b><br>600 - 18000                                                                                   |
| <b>Bulk Absorption Coefficient (cm<sup>-1</sup>):</b><br><0.0005 @ 10.6μm                                                      |
| <b>Surface Roughness (Angstroms):</b><br><50 RMS                                                                               |

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> |