

TECHSPEC® 12.7mm Dia. x 12.7mm FL, 3-12µm BBAR Coated, ZnSe Plano-Convex Lens

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

Stock #11-418 3-5 DAYS

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Diameter (mm):  
12.70 +0.00/-0.10

Effective Focal Length EFL (mm):  
12.70 @ 10.6µm

|                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Back Focal Length BFL (mm):</b><br>11.45                                                                                    |
| <b>Coating:</b><br>BBAR (3000-12000nm)                                                                                         |
| <b>Coating Specification:</b><br>R <sub>avg</sub> ≤3.0% @ 3 - 12μm                                                             |
| <b>Substrate:</b> <br>Coherent® Infrared ZnSe |
| <b>Surface Quality:</b><br>40-20                                                                                               |
| <b>Power (P-V) @ 632.8nm:</b><br>λ                                                                                             |
| <b>Power (P-V) @ 10.6μm:</b><br>λ10                                                                                            |
| <b>Irregularity (P-V) @ 10.6μm:</b><br>λ20                                                                                     |
| <b>Centering, ETD (μm):</b><br>≤50.8                                                                                           |
| <b>Center Thickness CT (mm):</b><br>3.00 ±0.10                                                                                 |
| <b>Edge Thickness ET (mm):</b><br>1.83                                                                                         |
| <b>Radius R<sub>1</sub> (mm):</b><br>17.81                                                                                     |
| <b>Clear Aperture CA (mm):</b><br>11.43                                                                                        |
| <b>f#:</b><br>1.00                                                                                                             |
| <b>Numerical Aperture NA:</b><br>0.50                                                                                          |
| <b>Type:</b><br>Plano-Convex Lens                                                                                              |
| <b>Bevel:</b><br>Protective bevel as needed                                                                                    |
| <b>Wavelength Range (nm):</b><br>3000 - 12000                                                                                  |
| <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> |