

TECHSPEC<sup>®</sup> 12.7 x 12.7mm x 50mm FL, VIS 0° Laser Grade PCX Cylinder Lens



TECHSPEC Beam Shaping Fused Silica Cylinder Lenses

Stock **#36-098** 3-4 DAYS

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1

+

£134.30

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Qty 6+

£107.52

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Effective Focal Length EFL (mm):  
50.00

Substrate: ☐  
[Fused Silica](#) (Corning 7980)

f/#:  
4

|                                                                       |
|-----------------------------------------------------------------------|
| <b>Numerical Aperture NA:</b><br>0.125                                |
| <b>Coating:</b><br>VIS 0° (425-675nm)                                 |
| <b>Type:</b><br>Cylinder Lens, Plano-Convex                           |
| <b>Wavelength Range (nm):</b><br>425 - 675                            |
| <b>Back Focal Length BFL (mm):</b><br>47.95                           |
| <b>Bevel:</b><br>Protective bevel as needed                           |
| <b>Center Thickness CT (mm):</b><br>3.00                              |
| <b>Center Thickness Tolerance (mm):</b><br>±0.1                       |
| <b>Clear Aperture CA (mm):</b><br>11.43 x 11.43                       |
| <b>Coating Specification:</b><br>R <sub>avg</sub> ≤0.4% @ 425 - 675nm |
| <b>Dimensional Tolerance (mm):</b><br>+0.0/-0.025                     |
| <b>Dimensions (mm):</b><br>12.7 x 12.7                                |
| <b>Edge Thickness ET (mm):</b><br>2.1                                 |
| <b>Radius R<sub>1</sub> (mm):</b><br>22.93                            |
| <b>Surface Quality:</b><br>20-10                                      |
| <b>Power (P-V) @ 632.8nm:</b><br>1.5λ                                 |
| <b>Irregularity (P-V) @ 632.8nm:</b><br>λ/4                           |
| <b>Plano Axis Wedge (arcmin):</b><br><3                               |
| <b>Power Axis Wedge (arcmin):</b><br><4.5                             |
| <b>Axial Twist (arcmin):</b><br><3                                    |

Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |
| <b>Reach 235:</b><br><a href="#">Compliant</a>             |