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SUBMIT

TECHSPEC® 12.5mm Dia. x 90mm FL, VIS-NIR, Inked, Achromatic Lens



Stock #49-332-INK 3-4 DAYS

[Other Coating Options](#)



1



€96,00

ADD TO CART

Qty 1-5

€96,00

Qty 6+

€76,75

Volume Pricing

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Diameter (mm):  
12.50 ±0.025

Effective Focal Length EFL (mm):

|                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 90.00                                                                                                                                           |
| Focal Length Tolerance (%):<br>±1                                                                                                               |
| Back Focal Length BFL (mm):<br>88.47                                                                                                            |
| Focal Length Specification Wavelength (nm):<br>587.6                                                                                            |
| Clear Aperture CA (mm):<br>11.50                                                                                                                |
| Centering (arcmin):<br><1                                                                                                                       |
| Center Thickness CT (mm):<br>3.58 ±0.10                                                                                                         |
| Center Thickness CT 1 (mm):<br>1.98 ±0.05                                                                                                       |
| Center Thickness CT 2 (mm):<br>1.60 ±0.05                                                                                                       |
| Radius R <sub>1</sub> (mm):<br>55.80                                                                                                            |
| Radius R <sub>2</sub> (mm):<br>-40.17                                                                                                           |
| Radius R <sub>3</sub> (mm):<br>-116.32                                                                                                          |
| Edge Thickness ET (mm):<br>3.06                                                                                                                 |
| Substrate: <br><a href="#">N-BK7</a> / <a href="#">N-SF5</a> |
| Surface Quality:<br>40-20                                                                                                                       |
| f/#:<br>7.2                                                                                                                                     |
| Numerical Aperture NA:<br>0.07                                                                                                                  |
| Coating:<br>VIS-NIR (400-1000nm)                                                                                                                |
| Coating Specification:<br>R <sub>abs</sub> ≤0.25% @ 880nm<br>R <sub>avg</sub> ≤1.25% @400 - 870nm<br>R <sub>avg</sub> ≤1.25% @890 - 1000nm      |
| Power (P-V) @ 632.8nm:<br>1.5λ                                                                                                                  |
| Irregularity (P-V) @ 632.8nm:<br>λ/4                                                                                                            |
| Bevel:<br>Protective bevel as needed                                                                                                            |
| Type:<br>Achromatic Lens                                                                                                                        |
| Wavelength Range (nm):<br>400 - 1000                                                                                                            |

## Regulatory Compliance

|                                                     |
|-----------------------------------------------------|
| RoHS 2015:<br><a href="#">Compliant</a>             |
| REACH 201:<br><a href="#">Compliant</a>             |
| Certificate of Conformance:<br><a href="#">View</a> |