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TECHSPEC® 18mm Dia. X 18mm FL, NIR II Coated, Double-Convex Lens



Stock #67-637 ☐ In Stock  
[Other Coating Options](#)

1  €43,50

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| Qty 1-9                       |
| €43,50                        |
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| €39,25                        |
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Diameter (mm):  
18.00 +0.0/-0.025

Back Focal Length BFL (mm):

|                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 16.69                                                                                                                                            |
| Effective Focal Length EFL (mm):<br>18.00                                                                                                        |
| Coating:<br>NIR II (750-1550nm)                                                                                                                  |
| Coating Specification:<br>R <sub>abs</sub> ≤1.5% @ 750 - 800nm<br>R <sub>abs</sub> ≤1.0% @ 800 - 1550nm<br>R <sub>avg</sub> ≤0.7% @ 750 - 1550nm |
| Substrate: <input type="checkbox"/><br><a href="#">N-SF11</a>                                                                                    |
| Surface Quality:<br>40-20                                                                                                                        |
| Power (P-V) @ 632.8nm:<br>1.5λ                                                                                                                   |
| Irregularity (P-V) @ 632.8nm:<br>λ/4                                                                                                             |
| Centering (arcmin):<br><1                                                                                                                        |
| Center Thickness CT (mm):<br>4.50                                                                                                                |
| Center Thickness Tolerance (mm):<br>±0.10                                                                                                        |
| Edge Thickness ET (mm):<br>1.44                                                                                                                  |
| Radius R <sub>1</sub> =R <sub>2</sub> (mm):<br>27.22                                                                                             |
| Clear Aperture CA (mm):<br>17.00                                                                                                                 |
| f/#:<br>1.00                                                                                                                                     |
| Focal Length Specification Wavelength (nm):<br>587.6                                                                                             |
| Focal Length Tolerance (%):<br>±1.00                                                                                                             |
| Numerical Aperture NA:<br>0.50                                                                                                                   |
| Type:<br>Double-Convex Lens                                                                                                                      |
| Wavelength Range (nm):<br>750 - 1550                                                                                                             |
| Damage Threshold, By Design: <input type="checkbox"/><br>8 J/cm <sup>2</sup> @ 1064nm, 10ns                                                      |

## Regulatory Compliance

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