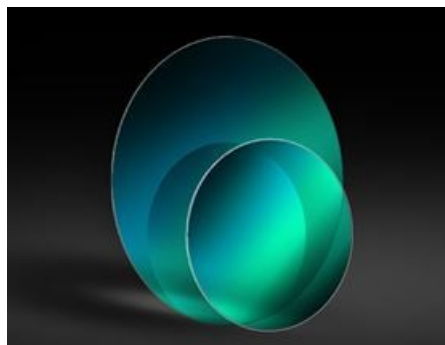


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**TECHSPEC® Ultra-Thin N-BK7 Windows** See More by [SCHOTT Optical Components](#)


- Ultra-Thin 0.20mm Thickness
- Precision N-BK7 Substrate
- Extremely Lightweight

## Common Specifications

### Physical & Mechanical Properties

|                                            |                      |                               |             |
|--------------------------------------------|----------------------|-------------------------------|-------------|
| <b>Bevel:</b>                              | Protective as needed | <b>Edges:</b>                 | Fine Ground |
| <b>Knoop Hardness (kg/mm<sup>2</sup>):</b> | 610.00               | <b>Parallelism (arcsec):</b>  | <30         |
| <b>Poisson's Ratio:</b>                    | 0.21                 | <b>Young's Modulus (GPa):</b> | 82          |

### Optical Properties

|                                        |                       |                                                |             |
|----------------------------------------|-----------------------|------------------------------------------------|-------------|
| <b>Abbe Number (<math>v_d</math>):</b> | 64.17                 | <b>Index of Refraction (<math>n_d</math>):</b> | 1.516       |
| <b>Substrate:</b>                      | <a href="#">N-BK7</a> | <b>Transmitted Wavefront, P-V:</b>             | $\lambda/2$ |

### Material Properties

|                                    |      |
|------------------------------------|------|
| <b>Density (g/cm<sup>3</sup>):</b> | 2.51 |
|------------------------------------|------|

## Technical Information

## Products

| Dia.<br>(mm) | Thickness<br>(mm) | Coating                      | Stock<br>Number         | Price                                     | Buy          |
|--------------|-------------------|------------------------------|-------------------------|-------------------------------------------|--------------|
| 5.00         | 0.20              | Uncoated                     | <a href="#">#66-184</a> | €96,31<br><a href="#">Volume Pricing</a>  | 20+ In Stock |
| 10.00        | 0.20              | Uncoated                     | <a href="#">#66-185</a> | €96,31<br><a href="#">Volume Pricing</a>  | 20+ In Stock |
| 12.50        | 0.20              | Uncoated                     | <a href="#">#66-186</a> | €96,31<br><a href="#">Volume Pricing</a>  | 20+ In Stock |
| 20.00        | 0.20              | Uncoated                     | <a href="#">#66-187</a> | €96,31<br><a href="#">Volume Pricing</a>  | 20+ In Stock |
| 25.00        | 0.20              | Uncoated                     | <a href="#">#66-188</a> | €115,36<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 30.00        | 0.20              | Uncoated                     | <a href="#">#66-189</a> | €139,05<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 40.00        | 0.20              | Uncoated                     | <a href="#">#66-190</a> | €147,29<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 50.00        | 0.20              | Uncoated                     | <a href="#">#66-191</a> | €184,37<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 5.00         | 0.20              | MgF <sub>2</sub> (400-700nm) | <a href="#">#66-192</a> | €107,12<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 10.00        | 0.20              | MgF <sub>2</sub> (400-700nm) | <a href="#">#66-193</a> | €107,12<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 12.50        | 0.20              | MgF <sub>2</sub> (400-700nm) | <a href="#">#66-194</a> | €107,12<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 20.00        | 0.20              | MgF <sub>2</sub> (400-700nm) | <a href="#">#66-195</a> | €107,12<br><a href="#">Volume Pricing</a> | 15 In Stock  |
| 25.00        | 0.20              | MgF <sub>2</sub> (400-700nm) | <a href="#">#66-196</a> | €125,66<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 30.00        | 0.20              | MgF <sub>2</sub> (400-700nm) | <a href="#">#66-197</a> | €155,53<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 40.00        | 0.20              | MgF <sub>2</sub> (400-700nm) | <a href="#">#66-198</a> | €163,77<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 50.00        | 0.20              | MgF <sub>2</sub> (400-700nm) | <a href="#">#66-199</a> | €200,85<br><a href="#">Volume Pricing</a> | 7 In Stock   |
| 5.00         | 0.20              | VIS 0° (425-675nm)           | <a href="#">#83-099</a> | €117,42<br><a href="#">Volume Pricing</a> | 20+ In Stock |

|       |      |                      |                         |                                           |              |
|-------|------|----------------------|-------------------------|-------------------------------------------|--------------|
| 10.00 | 0.20 | VIS 0° (425-675nm)   | <a href="#">#83-100</a> | €117,42<br><a href="#">Volume Pricing</a> | 11 In Stock  |
| 12.50 | 0.20 | VIS 0° (425-675nm)   | <a href="#">#83-101</a> | €117,42<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 20.00 | 0.20 | VIS 0° (425-675nm)   | <a href="#">#83-102</a> | €117,42<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 25.00 | 0.20 | VIS 0° (425-675nm)   | <a href="#">#83-103</a> | €136,99<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 30.00 | 0.20 | VIS 0° (425-675nm)   | <a href="#">#83-104</a> | €165,83<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 40.00 | 0.20 | VIS 0° (425-675nm)   | <a href="#">#83-105</a> | €174,07<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 50.00 | 0.20 | VIS 0° (425-675nm)   | <a href="#">#83-106</a> | €211,15<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 5.00  | 0.20 | VIS-NIR (400-1000nm) | <a href="#">#22-036</a> | €117,42<br><a href="#">Volume Pricing</a> | 15 In Stock  |
| 10.00 | 0.20 | VIS-NIR (400-1000nm) | <a href="#">#22-037</a> | €117,42<br><a href="#">Volume Pricing</a> | 9 In Stock   |
| 12.50 | 0.20 | VIS-NIR (400-1000nm) | <a href="#">#22-038</a> | €117,42<br><a href="#">Volume Pricing</a> | 12 In Stock  |
| 20.00 | 0.20 | VIS-NIR (400-1000nm) | <a href="#">#22-039</a> | €117,42<br><a href="#">Volume Pricing</a> | 7 In Stock   |
| 25.00 | 0.20 | VIS-NIR (400-1000nm) | <a href="#">#22-040</a> | €136,99<br><a href="#">Volume Pricing</a> | 10 In Stock  |
| 30.00 | 0.20 | VIS-NIR (400-1000nm) | <a href="#">#22-041</a> | €165,83<br><a href="#">Volume Pricing</a> | 3 In Stock   |
| 40.00 | 0.20 | VIS-NIR (400-1000nm) | <a href="#">#22-042</a> | €174,07<br><a href="#">Volume Pricing</a> | 5 In Stock   |
| 50.00 | 0.20 | VIS-NIR (400-1000nm) | <a href="#">#22-043</a> | €211,15<br><a href="#">Volume Pricing</a> | Contact Us   |
| 5.00  | 0.20 | NIR I (600-1050nm)   | <a href="#">#22-044</a> | €117,42<br><a href="#">Volume Pricing</a> | 15 In Stock  |
| 10.00 | 0.20 | NIR I (600-1050nm)   | <a href="#">#22-045</a> | €117,42<br><a href="#">Volume Pricing</a> | 2 In Stock   |
| 12.50 | 0.20 | NIR I (600-1050nm)   | <a href="#">#22-046</a> | €117,42<br><a href="#">Volume Pricing</a> | 9 In Stock   |
| 20.00 | 0.20 | NIR I (600-1050nm)   | <a href="#">#22-047</a> | €117,42<br><a href="#">Volume Pricing</a> | 5 In Stock   |

|       |      |                    |                         |                                           |             |
|-------|------|--------------------|-------------------------|-------------------------------------------|-------------|
| 25.00 | 0.20 | NIR I (600-1050nm) | <a href="#">#22-048</a> | €136,99<br><a href="#">Volume Pricing</a> | 8 In Stock  |
| 30.00 | 0.20 | NIR I (600-1050nm) | <a href="#">#22-049</a> | €165,83<br><a href="#">Volume Pricing</a> | 5 In Stock  |
| 40.00 | 0.20 | NIR I (600-1050nm) | <a href="#">#22-050</a> | €174,07<br><a href="#">Volume Pricing</a> | 4 In Stock  |
| 50.00 | 0.20 | NIR I (600-1050nm) | <a href="#">#22-051</a> | €211,15<br><a href="#">Volume Pricing</a> | 10 In Stock |



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 Phone: 1-800-363-1992 :  
[www.edmundoptics.com](http://www.edmundoptics.com)