

TECHSPEC<sup>®</sup> Plankonvexe Linse, 6 mm D. x 25 mm BW, NIR-I-beschichtet



Produkt **#38-330** **2 In Stock**

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-

1

+

€42<sup>.50</sup>

+ WARENKORB

| Mengenrabatte |                                 |
|---------------|---------------------------------|
| Stk. 1-9      | €42,50 stückpreis               |
| Stk. 10-24    | €38,00 stückpreis               |
| Stk. 25-49    | €34,00 stückpreis               |
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ⓘ Preise exklusiv der geltenden Mehrwertsteuer und Abgaben

Downloadbereich

Produktdetails

Plano-Convex Lens

Typ:

Physikalische und mechanische Eigenschaften

|                      |                             |
|----------------------|-----------------------------|
| 6.00 +0.0/-0.025     | Durchmesser (mm):           |
| <1                   | Zentrierung (Bogenminuten): |
| 1.45 ±0.05           | Mittendicke CT (mm):        |
| 1.10                 | Randdicke ET (mm):          |
| 5.4                  | Freie Apertur CA (mm):      |
| Protective as needed | Fase:                       |

|                                       |                                    |
|---------------------------------------|------------------------------------|
| Optische Eigenschaften                |                                    |
| 25.00 @ 587.6nm                       | Effektive Brennweite EFL (mm):     |
| 24.04                                 | Hintere Brennweite BFL (mm):       |
| NIR I (600-1050nm)                    | Beschichtung:                      |
| R <sub>avg</sub> ≤0.5% @ 600 - 1050nm | Beschichtungsspezifikation:        |
| N-BK7                                 | Substrat: □                        |
| 40-20                                 | Oberflächenqualität:               |
| 1.5λ                                  | Power (P-V) @ 632,8 nm:            |
| λ/4                                   | Unregelmäßigkeit (P-V) @ 632,8 nm: |
| ±1                                    | Toleranz Brennweite (%):           |
| 12.92                                 | Radius R <sub>1</sub> (mm):        |
| 4.17                                  | Blende:                            |
| 0.12                                  | Numerische Apertur NA:             |
| 600 - 1050                            | Wellenlängenbereich (nm):          |
| 7 J/cm <sup>2</sup> @ 1064nm, 10ns    | Zerstörschwelle, laut Design: □    |

|                           |                         |
|---------------------------|-------------------------|
| Konformität mit Standards |                         |
| Konform                   | RoHS 2015:              |
| Anzeigen                  | Konformitätszertifikat: |
| Konform                   | Reach 235:              |

## Gewünschte Spezifikationen nicht dabei?

Edmund Optics bietet einen umfangreichen kundenspezifischen Fertigungsservice für Optik- und Bildverarbeitungskomponenten an, speziell hergestellt für Ihre Anwendungsanforderungen. Wir ermöglichen flexible Lösungen für Ihre Bedürfnisse – von der Prototypenphase bis zur Serienfertigung. Unsere erfahrenen IngenieurInnen freuen sich auf die Zusammenarbeit und unterstützen Sie bei jedem Projektschritt.

Unser Service beinhaltet:

- Kundenspezifische Abmessungen, Materialien und mehr
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- Enge Toleranzen und komplexe Formen
- Skalierbare Produktion – vom Prototypen zur Serie

Erfahren Sie mehr über unsere [kundenspezifischen Fertigungsmöglichkeiten](#) oder senden Sie [hier](#) eine Anfrage.

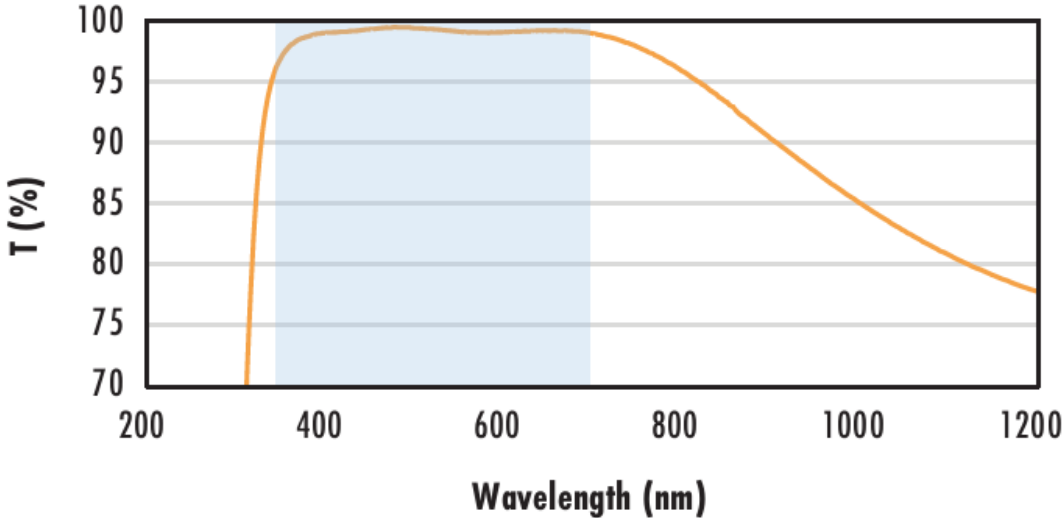
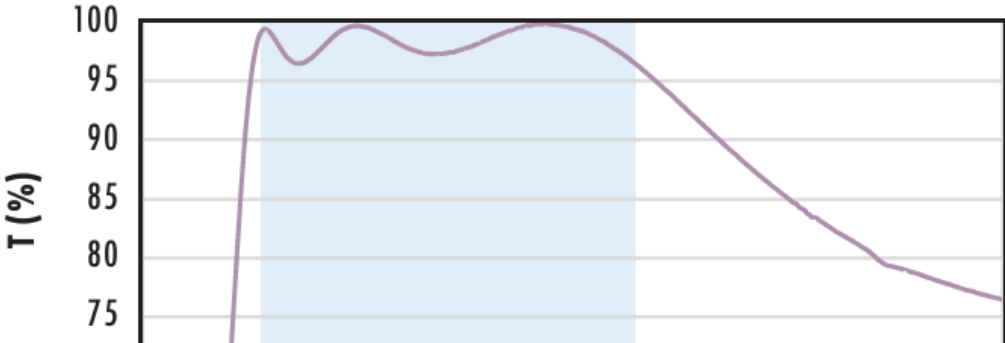
## Produktdetails

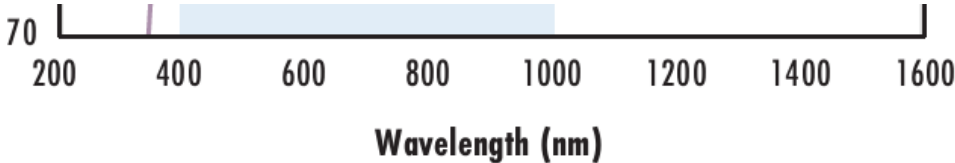
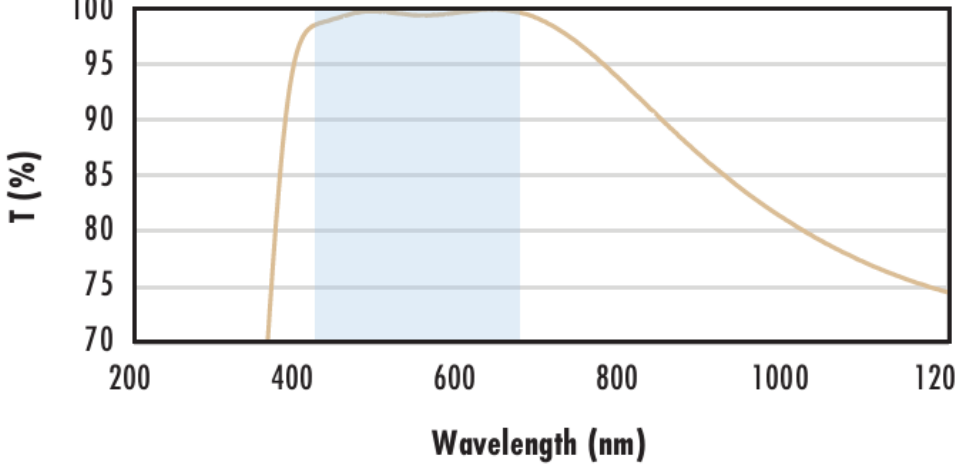
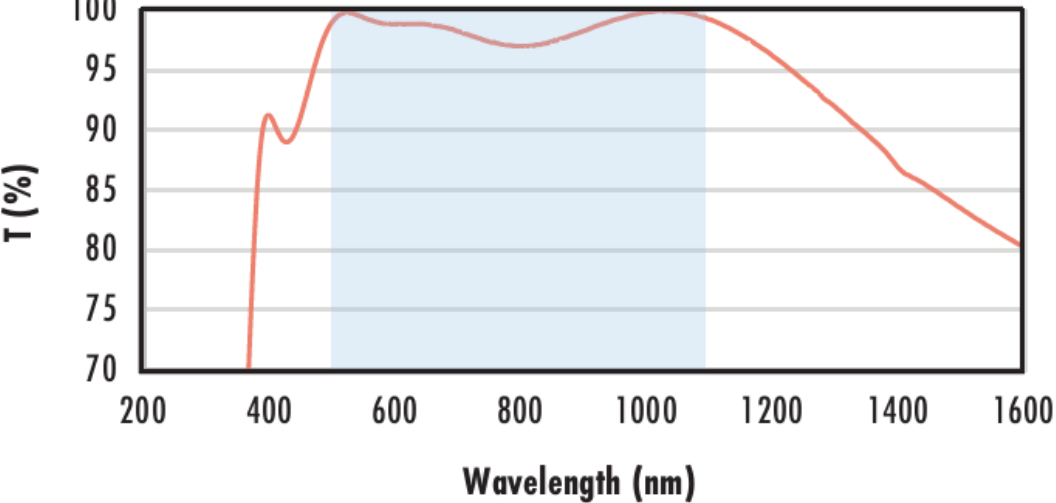
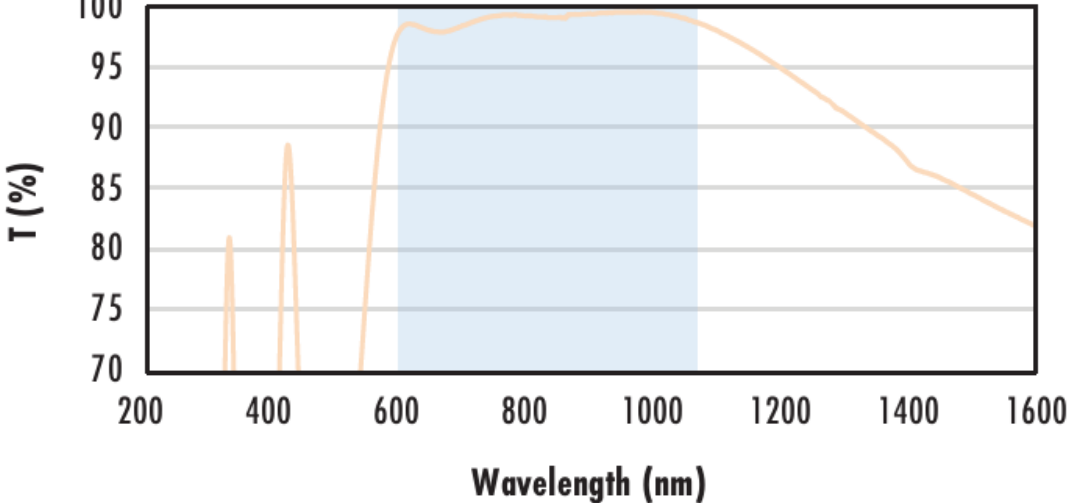
- AR-beschichtet für <0,5% Reflexion pro Oberfläche bei 600 - 1050 nm
- Entwickelt für einen Einfallswinkel von 0°
- Verschiedene Antireflexionsbeschichtungen erhältlich: [MgF<sub>2</sub>](#), [VIS 0°](#), [VIS-NIR](#), [NIR II](#), [VIS-EXT](#) und [YAG-BBAR](#) oder [unbeschichtet](#)

TECHSPEC® Plankonvexe Linsen (PCX) mit NIR-I-Beschichtung haben eine positive Brennweite und sind ideal für die Fokussierung von Licht in abbildenden Anwendungen. Sie können gut in Verbindung mit Emittlern, Detektoren, Lasern und Faseroptiken eingesetzt werden. TECHSPEC® Plankonvexe Linsen (PCX) mit NIR-I-Beschichtung sind in einer Vielzahl von Durchmessern und Brennweiten erhältlich. Identische Designs dieser Linsen werden auch [unbeschichtet](#) oder mit breitbandigen Antireflexionsbeschichtungen (BBAR) angeboten, dazu gehören [MgF<sub>2</sub>](#), [VIS 0°](#), [VIS-NIR](#), [NIR II](#), [VIS-EXT](#) und [YAG-BBAR](#).

## Technische Informationen



| N-BK7                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>Uncoated N-BK7 Typical Transmission</div></div>                      | <div>Typical transmission of a 3mm thick, uncoated N-BK7 window across the UV - NIR spectra.</div> <div><a href="#">Click Here to Download Data</a></div>                                                                                                                                                                                                                                                                                                                                                                                          |
| <div><div>N-BK7 with MgF<sub>2</sub> Coating Typical Transmission</div></div> | <div>Typical transmission of a 3mm thick N-BK7 window with MgF2 (400-700nm) coating at 0° AOI.</div> <div>The blue shaded region indicates the coating design wavelength range, with the following specification:</div> <div><math>R_{avg} \leq 1.75\% @ 400 - 700\text{nm}</math> (N-BK7)</div> <div>Data outside this range is not guaranteed and is for reference only.</div> <div><a href="#">Click Here to Download Data</a></div>                                                                                                            |
| <div><div>N-BK7 with VIS-EXT Coating Typical Transmission</div></div>         | <div>Typical transmission of a 3mm thick N-BK7 window with VIS-EXT (350-700nm) coating at 0° AOI.</div> <div>The blue shaded region indicates the coating design wavelength range, with the following specification:</div> <div><math>R_{avg} \leq 0.5\% @ 350 - 700\text{nm}</math></div> <div>Data outside this range is not guaranteed and is for reference only.</div> <div><a href="#">Click Here to Download Data</a></div>                                                                                                                  |
| <div><div>N-BK7 with VIS-NIR Coating Typical Transmission</div></div>         | <div>Typical transmission of a 3mm thick N-BK7 window with VIS-NIR (400-1000nm) coating at 0° AOI.</div> <div>The blue shaded region indicates the coating design wavelength range, with the following specification:</div> <div><math>R_{abs} \leq 0.25\% @ 880\text{nm}</math><br/><math>R_{avg} \leq 1.25\% @ 400 - 870\text{nm}</math><br/><math>R_{avg} \leq 1.25\% @ 890 - 1000\text{nm}</math></div> <div>Data outside this range is not guaranteed and is for reference only.</div> <div><a href="#">Click Here to Download Data</a></div> |

|                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                            | <a href="#">Click Here to Download Data</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <p data-bbox="596 276 974 365"><b>N-BK7 with VIS 0° Coating</b><br/><b>Typical Transmission</b></p>       | <p data-bbox="1337 409 1843 454">Typical transmission of a 3mm thick N-BK7 window with VIS 0° (425-675nm) coating at 0° AOI.</p> <p data-bbox="1337 471 1850 516">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p data-bbox="1478 534 1709 557"><math>R_{avg} \leq 0.4\%</math> @ 425 - 675nm</p> <p data-bbox="1341 572 1841 617">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1478 635 1709 658"><a href="#">Click Here to Download Data</a></p>                                                                                                                                                                                          |
| <p data-bbox="569 869 1037 958"><b>N-BK7 with YAG-BBAR Coating</b><br/><b>Typical Transmission</b></p>   | <p data-bbox="1341 1003 1839 1047">Typical transmission of a 3mm thick N-BK7 window with YAG-BBAR (500-1100nm) coating at 0° AOI.</p> <p data-bbox="1333 1065 1850 1110">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p data-bbox="1493 1127 1688 1151"><math>R_{abs} \leq 0.25\%</math> @ 532nm</p> <p data-bbox="1493 1151 1688 1175"><math>R_{abs} \leq 0.25\%</math> @ 1064nm</p> <p data-bbox="1472 1175 1709 1199"><math>R_{avg} \leq 1.0\%</math> @ 500 - 1100nm</p> <p data-bbox="1341 1213 1841 1258">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1478 1276 1709 1299"><a href="#">Click Here to Download Data</a></p>           |
| <p data-bbox="617 1507 1010 1596"><b>N-BK7 with NIR I Coating</b><br/><b>Typical Transmission</b></p>   | <p data-bbox="1341 1662 1839 1706">Typical transmission of a 3mm thick N-BK7 window with NIR I (600 - 1050nm) coating at 0° AOI.</p> <p data-bbox="1333 1724 1850 1768">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p data-bbox="1472 1786 1709 1810"><math>R_{avg} \leq 0.5\%</math> @ 600 - 1050nm</p> <p data-bbox="1341 1825 1841 1869">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1478 1887 1709 1911"><a href="#">Click Here to Download Data</a></p>                                                                                                                                                                             |
| <p data-bbox="606 2145 1016 2234"><b>N-BK7 with NIR II Coating</b><br/><b>Typical Transmission</b></p>  | <p data-bbox="1341 2270 1839 2315">Typical transmission of a 3mm thick N-BK7 window with NIR II (750 - 1550nm) coating at 0° AOI.</p> <p data-bbox="1333 2332 1850 2377">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p data-bbox="1478 2395 1703 2418"><math>R_{abs} \leq 1.5\%</math> @ 750 - 800nm</p> <p data-bbox="1478 2418 1709 2442"><math>R_{abs} \leq 1.0\%</math> @ 800 - 1550nm</p> <p data-bbox="1478 2442 1709 2466"><math>R_{avg} \leq 0.7\%</math> @ 750 - 1550nm</p> <p data-bbox="1341 2502 1841 2546">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1478 2564 1709 2588"><a href="#">Click Here to Download Data</a></p> |

# Kompatible Halterungen

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