

TECHSPEC® 12 mm D. x 60 mm eff. BW, geschwärzt, PCX-Linse mit VIS-EXT-Beschichtung



Produkt **#88-681-INK**

KONTAKT

Andere Beschichtungen

-

1

+

€61<sup>,00</sup>

+ WARENKORB

| Mengenrabatte |                                 |
|---------------|---------------------------------|
| Stk. 1-9      | €61,00 stückpreis               |
| Stk. 10-24    | €54,50 stückpreis               |
| Stk. 25-49    | €49,00 stückpreis               |
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!

 Preise exklusiv der geltenden Mehrwertsteuer und Abgaben

Downloadbereich

Produktdetails

Plano-Convex Lens

Typ:

Physikalische und mechanische Eigenschaften

|                      |                             |
|----------------------|-----------------------------|
| 12.00 ±0.025         | Durchmesser (mm):           |
| <1                   | Zentrierung (Bogenminuten): |
| 2.50 ±0.05           | Mittendicke CT (mm):        |
| 1.91                 | Randdicke ET (mm):          |
| 11                   | Freie Apertur CA (mm):      |
| Protective as needed | Fase:                       |

|                                      |                                                        |
|--------------------------------------|--------------------------------------------------------|
| Optische Eigenschaften               |                                                        |
| 60.00 @ 587.6nm                      | Effektive Brennweite EFL (mm):                         |
| 58.37                                | Hintere Brennweite BFL (mm):                           |
| VIS-EXT (350-700nm)                  | Beschichtung:                                          |
| R <sub>avg</sub> <0.5% @ 350 - 700nm | Beschichtungsspezifikation:                            |
| N-BK7                                | Substrat: <input type="checkbox"/>                     |
| 40-20                                | Oberflächenqualität:                                   |
| 1.5λ                                 | Power (P-V) @ 632,8 nm:                                |
| λ/4                                  | Unregelmäßigkeit (P-V) @ 632,8 nm:                     |
| ±1                                   | Toleranz Brennweite (%):                               |
| 31.02                                | Radius R <sub>1</sub> (mm):                            |
| 5                                    | Blende:                                                |
| 0.10                                 | Numerische Apertur NA:                                 |
| 350 - 700                            | Wellenlängenbereich (nm):                              |
| 5 J/cm <sup>2</sup> @ 532nm, 10ns    | Zerstörschwelle, laut Design: <input type="checkbox"/> |

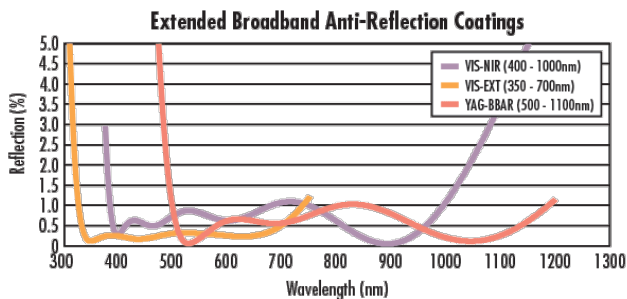
|                           |                         |
|---------------------------|-------------------------|
| Konformität mit Standards |                         |
| Anzeigen                  | Konformitätszertifikat: |

## Produktdetails

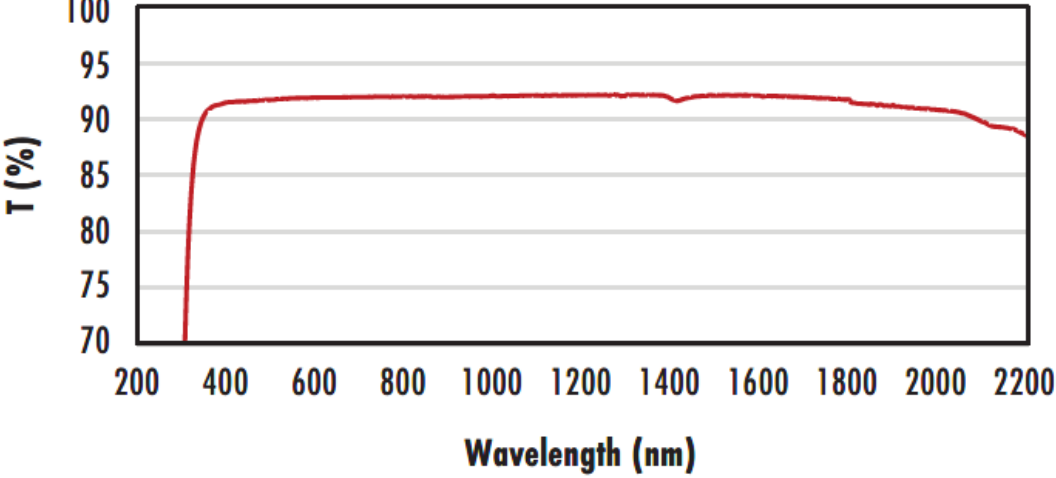
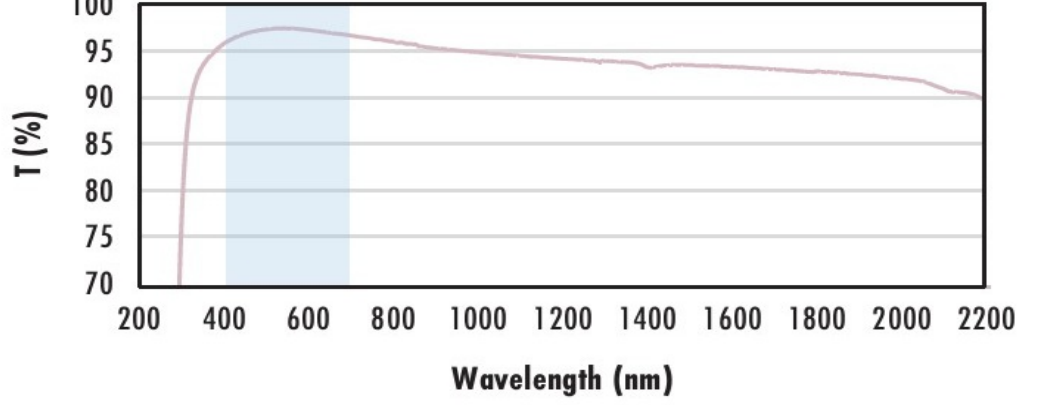
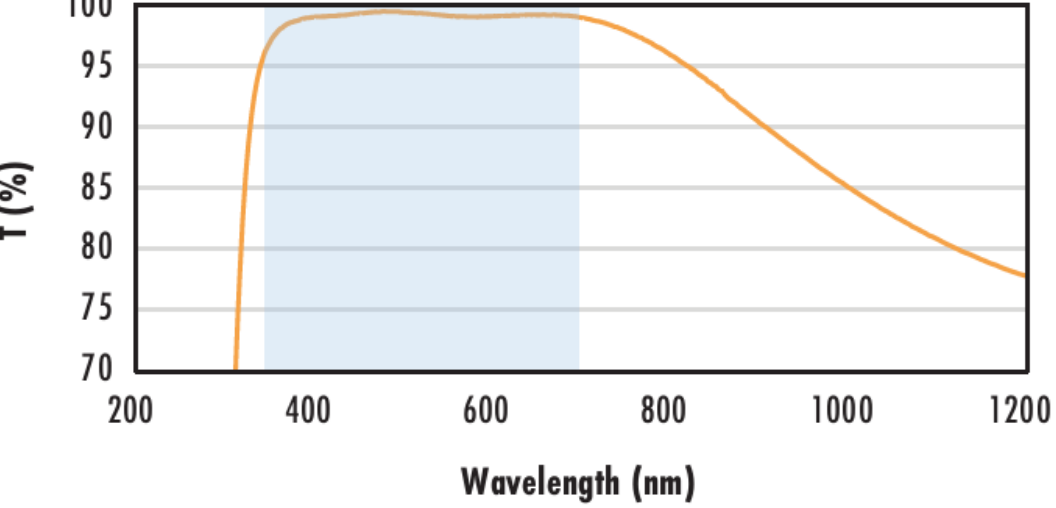
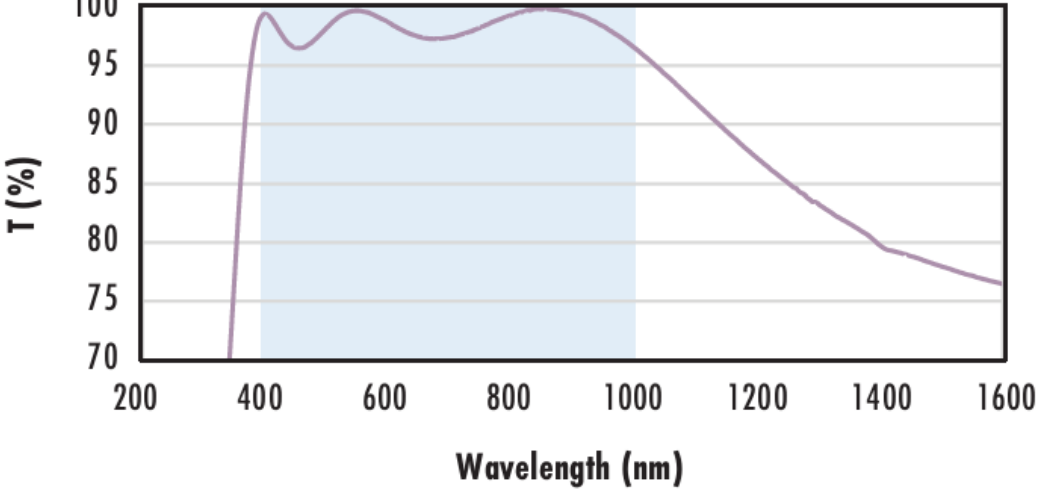
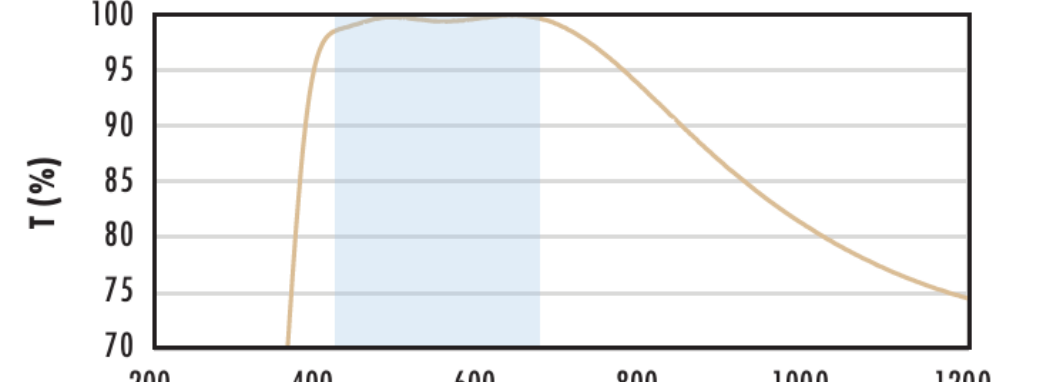
- Breitband-Antireflexbeschichtung für das sichtbare Spektrum mit verbesserten UV-Eigenschaften
- Reflexion pro Oberfläche <0,5% im Bereich von 350 – 700 nm
- Für 0° Einfallswinkel ausgelegt
- Verschiedene Beschichtungen erhältlich: [MgF<sub>2</sub>](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), [NIR II](#) und [YAG-BBAR](#) oder [unbeschichtet](#)

TECHSPEC® Plankonvexe Linsen (PCX) mit VIS-EXT-Beschichtung haben eine positive Brennweite und sind ideal für die Fokussierung von Licht in abbildenden Anwendungen. Sie können gut in Verbindung mit Emittern, Detektoren, Lasern und Faseroptiken eingesetzt werden. TECHSPEC® Plankonvexe Linsen (PCX) mit VIS-EXT-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 I](#), [NIR II](#) und [YAG-BBAR](#).

## Technische Informationen



|       |
|-------|
| N-BK7 |
|       |

|                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>Uncoated N-BK7 Typical Transmission</div></div>                      | <p>Typical transmission of a 3mm thick, uncoated N-BK7 window across the UV - NIR spectra.</p> <p><a href="#">Click Here to Download Data</a></p>                                                                                                                                                                                                                                                                                                                                                         |
| <div><div>N-BK7 with MgF<sub>2</sub> Coating Typical Transmission</div></div> | <p>Typical transmission of a 3mm thick N-BK7 window with MgF<sub>2</sub> (400-700nm) coating at 0° AOI.</p> <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p><math>R_{avg} \leq 1.75\%</math> @ 400 - 700nm (N-BK7)</p> <p>Data outside this range is not guaranteed and is for reference only.</p> <p><a href="#">Click Here to Download Data</a></p>                                                                                   |
| <div><div>N-BK7 with VIS-EXT Coating Typical Transmission</div></div>        | <p>Typical transmission of a 3mm thick N-BK7 window with VIS-EXT (350-700nm) coating at 0° AOI.</p> <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p><math>R_{avg} \leq 0.5\%</math> @ 350 - 700nm</p> <p>Data outside this range is not guaranteed and is for reference only.</p> <p><a href="#">Click Here to Download Data</a></p>                                                                                                    |
| <div><div>N-BK7 with VIS-NIR Coating Typical Transmission</div></div>        | <p>Typical transmission of a 3mm thick N-BK7 window with VIS-NIR (400-1000nm) coating at 0° AOI.</p> <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p><math>R_{abs} \leq 0.25\%</math> @ 880nm<br/><math>R_{avg} \leq 1.25\%</math> @ 400 - 870nm<br/><math>R_{avg} \leq 1.25\%</math> @ 890 - 1000nm</p> <p>Data outside this range is not guaranteed and is for reference only.</p> <p><a href="#">Click Here to Download Data</a></p> |
| <div><div>N-BK7 with VIS 0° Coating Typical Transmission</div></div>         | <p>Typical transmission of a 3mm thick N-BK7 window with VIS 0° (425-675nm) coating at 0° AOI.</p> <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p><math>R_{avg} \leq 0.4\%</math> @ 425 - 675nm</p> <p>Data outside this range is not guaranteed and is for reference only.</p> <p><a href="#">Click Here to Download Data</a></p>                                                                                                     |

|                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>20040060080010001200</div> <div>Wavelength (nm)</div>                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <div><div>N-BK7 with YAG-BBAR Coating</div><div>Typical Transmission</div><div><div><div>T (%)</div><div>100959085807570</div></div><div><div>2004006008001000120014001600</div><div>Wavelength (nm)</div></div></div></div>       | <div>Typical transmission of a 3mm thick N-BK7 window with YAG-BBAR (500-1100nm) coating at 0° AOI.</div> <div>The blue shaded region indicates the coating design wavelength range, with the following specification:</div> <div><div><div><div><math>R_{\text{abs}} \leq 0.25\%</math> @ 532nm</div><div><math>R_{\text{abs}} \leq 0.25\%</math> @ 1064nm</div><div><math>R_{\text{avg}} \leq 1.0\%</math> @ 500 - 1100nm</div></div></div></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 NIR I Coating</div><div>Typical Transmission</div><div><div><div>T (%)</div><div>100959085807570</div></div><div><div>2004006008001000120014001600</div><div>Wavelength (nm)</div></div></div></div>          | <div>Typical transmission of a 3mm thick N-BK7 window with NIR I (600 - 1050nm) coating at 0° AOI.</div> <div>The blue shaded region indicates the coating design wavelength range, with the following specification:</div> <div><div><div><math>R_{\text{avg}} \leq 0.5\%</math> @ 600 - 1050nm</div></div></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 NIR II Coating</div><div>Typical Transmission</div><div><div><div>T (%)</div><div>100959085807570</div></div><div><div>200400600800100012001400160018002000</div><div>Wavelength (nm)</div></div></div></div> | <div>Typical transmission of a 3mm thick N-BK7 window with NIR II (750 - 1550nm) coating at 0° AOI.</div> <div>The blue shaded region indicates the coating design wavelength range, with the following specification:</div> <div><div><div><div><math>R_{\text{abs}} \leq 1.5\%</math> @ 750 - 800nm</div><div><math>R_{\text{abs}} \leq 1.0\%</math> @ 800 - 1550nm</div><div><math>R_{\text{avg}} \leq 0.7\%</math> @ 750 - 1550nm</div></div></div></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> |

## Kundenspezifische Produkte

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:

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- Hochpräzise Oberflächenqualität und -ebenheit
- Enge Toleranzen und komplexe Formen
- Skalierbare Produktion – vom Prototypen zur Serie

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## Kompatible Halterungen