

TECHSPEC<sup>®</sup> Plankonvexe Linse, 10 mm D. x 20 mm BW, MgF<sub>2</sub>-beschichtet



UV Fused Silica Plano-Convex (PCX) Lenses



Produkt #17-964 AUSVERKAUF 3 In Stock

- 1 + €101<sup>.00</sup>

+ WARENKORB

| Mengenrabatte |                                 |
|---------------|---------------------------------|
| Stk. 1+       | €101,00 stückpreis              |
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ⓘ Preise exklusiv der geltenden Mehrwertsteuer und Abgaben

Downloadbereich

Produktdetails

Plano-Convex Lens      Typ:

Physikalische und mechanische Eigenschaften

10.00 -0.025      Durchmesser (mm):

Zentrierung (Bogenminuten):

|                      |                        |
|----------------------|------------------------|
| <1                   |                        |
| 3.00 ±0.05           | Mittendicke CT (mm):   |
| 1.52                 | Randdicke ET (mm):     |
| 9                    | Freie Apertur CA (mm): |
| Protective as needed | Fase:                  |

Optische Eigenschaften

|                                             |                                                        |
|---------------------------------------------|--------------------------------------------------------|
| 20.00 @ 587.6nm                             | Effektive Brennweite EFL (mm):                         |
| 17.94                                       | Hintere Brennweite BFL (mm):                           |
| MgF <sub>2</sub> (400-700nm)                | Beschichtung:                                          |
| R <sub>avg</sub> ≤1.75% @ 400 - 700nm       | Beschichtungsspezifikation:                            |
| <a href="#">Fused Silica</a> (Corning 7980) | Substrat: <input type="checkbox"/>                     |
| 40-20                                       | Oberflächenqualität:                                   |
| 3 Rings                                     | Power (P-V) @ 632,8 nm:                                |
| 0.5 Rings                                   | Unregelmäßigkeit (P-V) @ 632,8 nm:                     |
| ±1                                          | Toleranz Brennweite (%):                               |
| 9.17                                        | Radius R <sub>1</sub> (mm):                            |
| 2                                           | Blende:                                                |
| 0.25                                        | Numerische Apertur NA:                                 |
| 400 - 700                                   | Wellenlängenbereich (nm):                              |
| 10 J/cm <sup>2</sup> @ 532nm, 10ns          | Zerstörschwelle, laut Design: <input type="checkbox"/> |

Konformität mit Standards

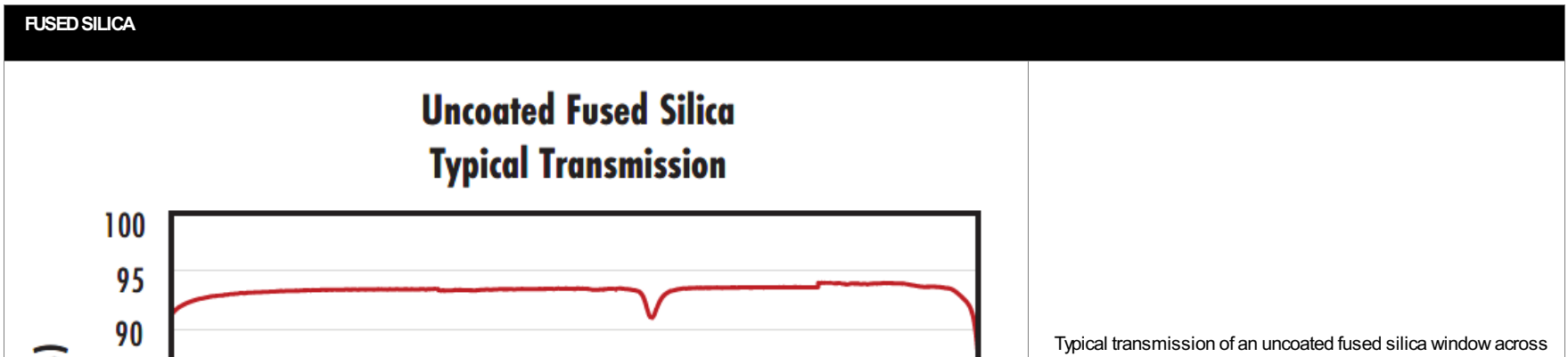
|                          |                         |
|--------------------------|-------------------------|
| <a href="#">Konform</a>  | RoHS 2015:              |
| <a href="#">Anzeigen</a> | Konformitätszertifikat: |
| <a href="#">Konform</a>  | Reach 235:              |

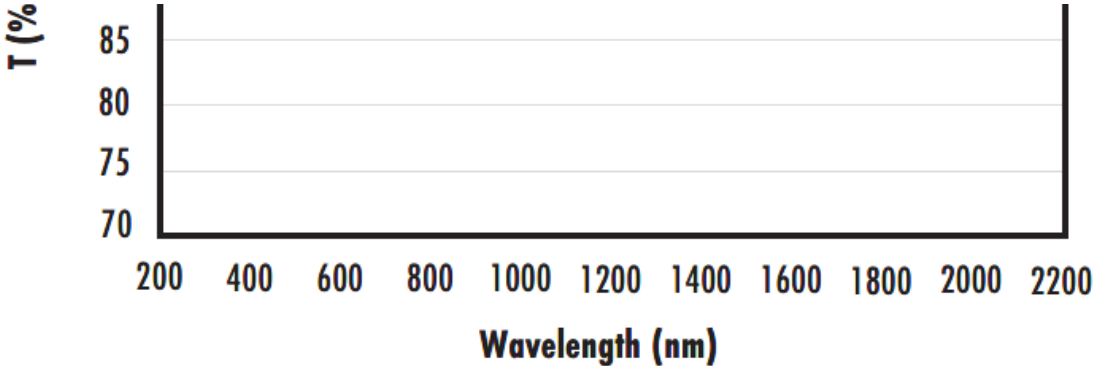
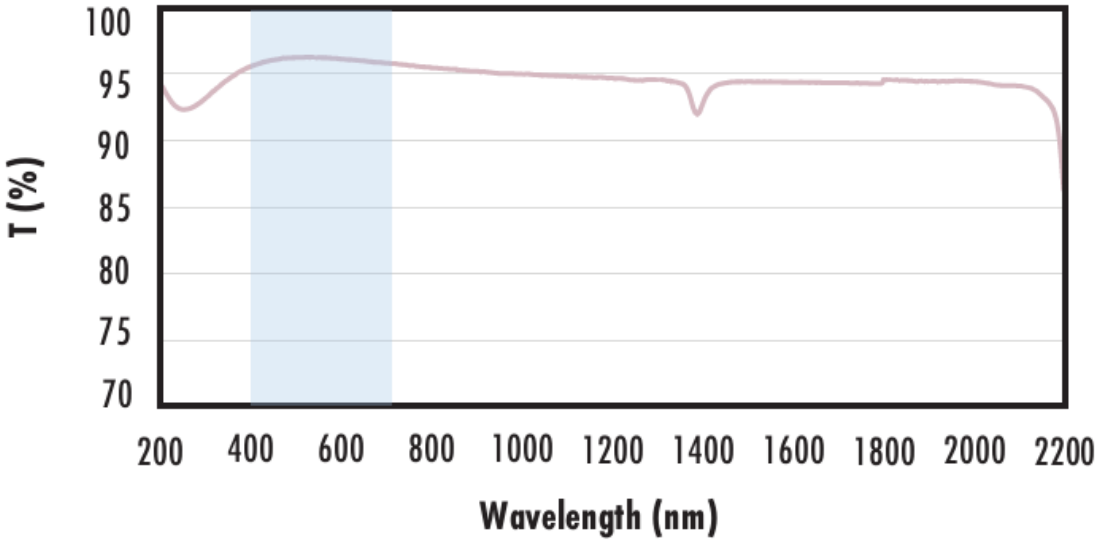
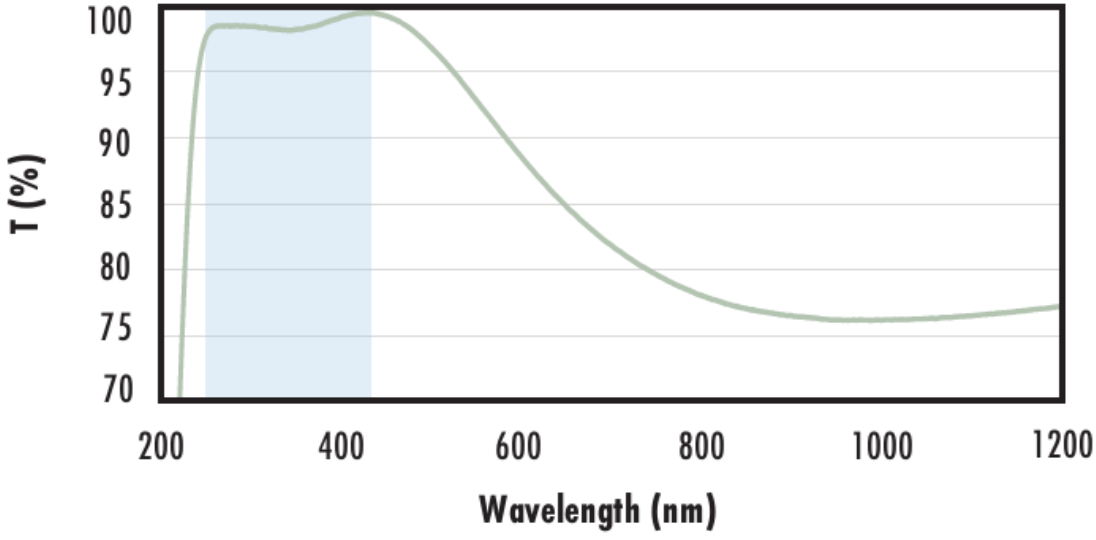
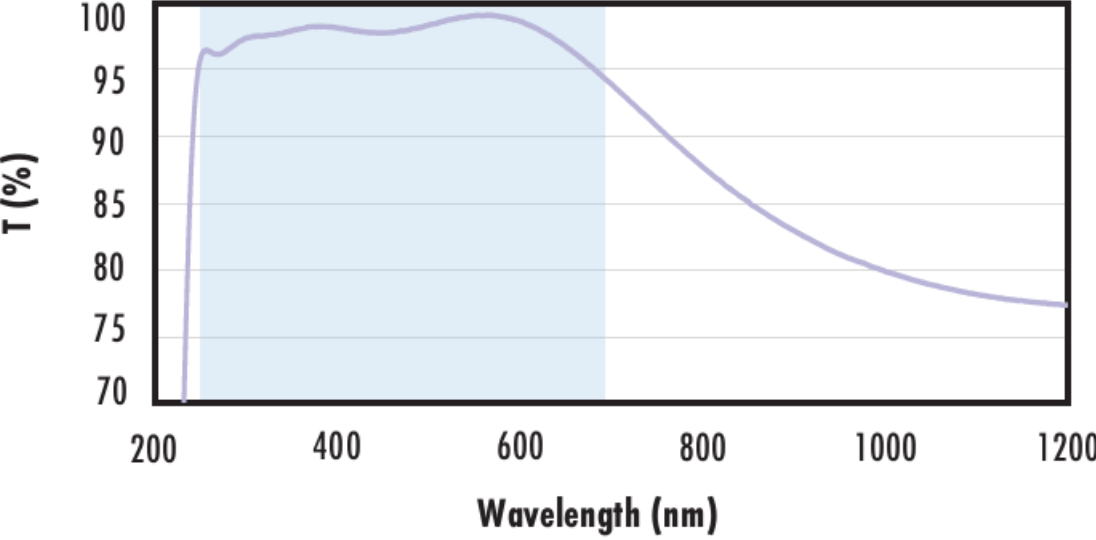
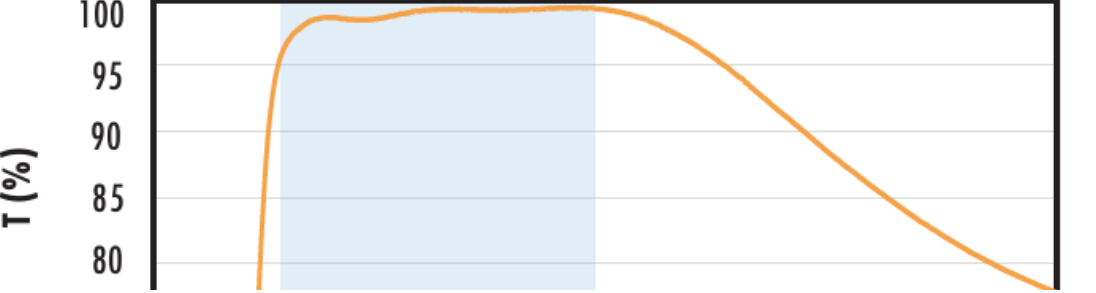
## Produktdetails

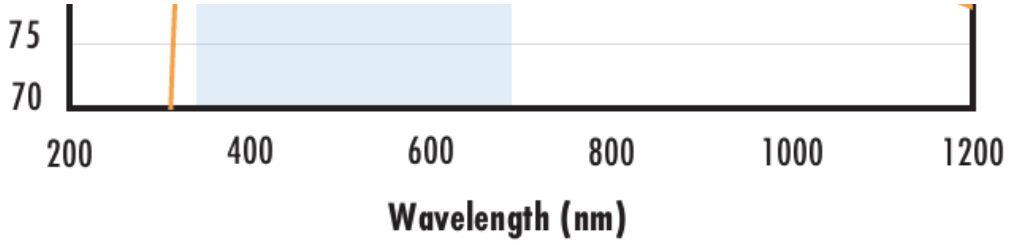
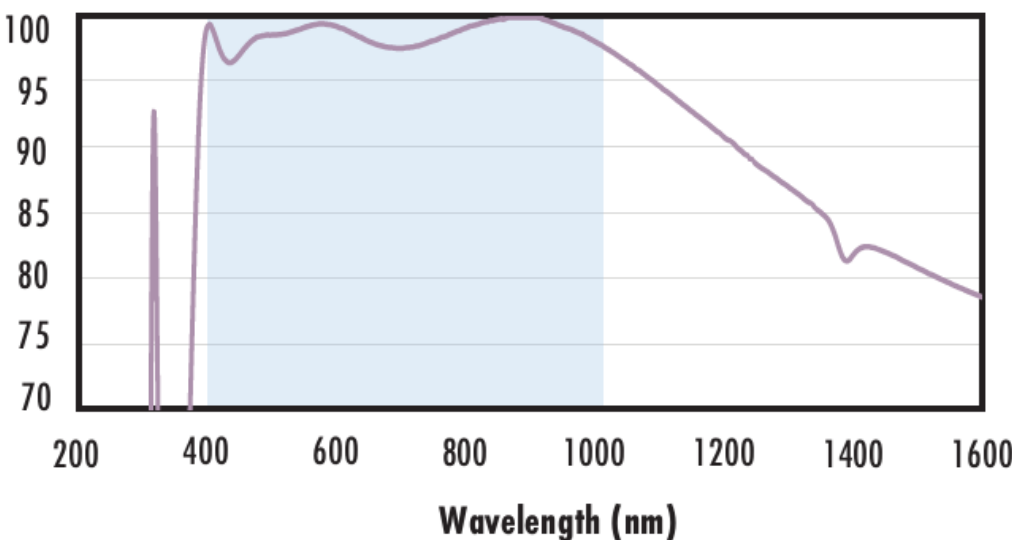
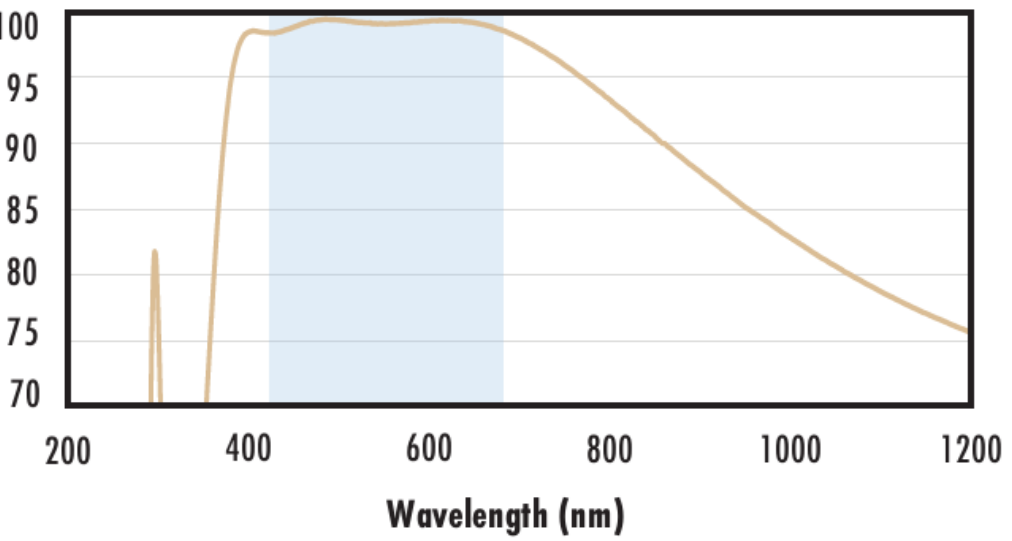
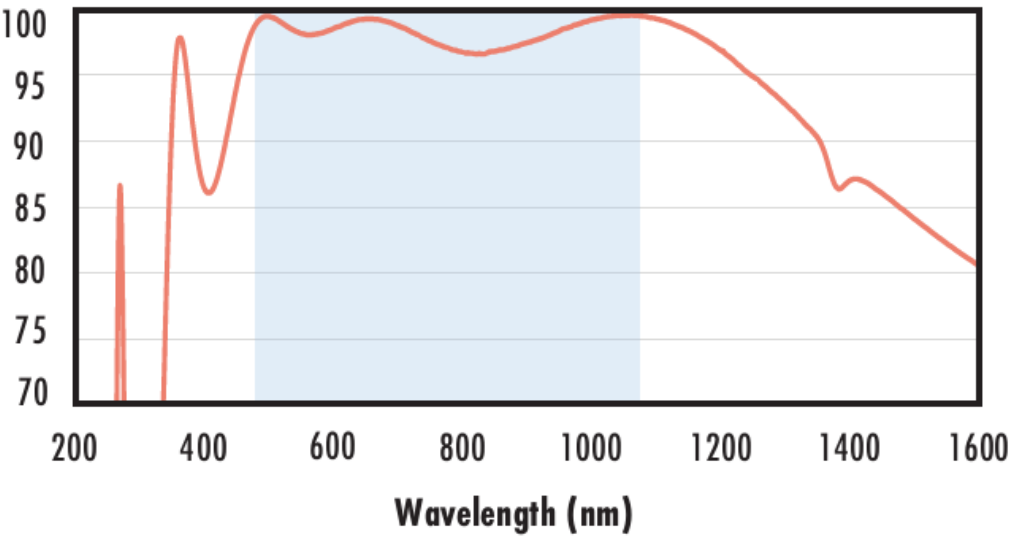
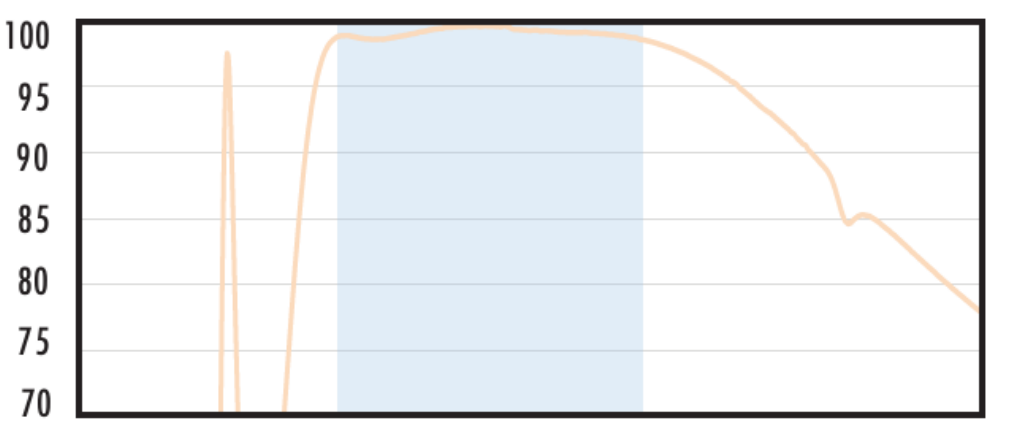
- AR-Beschichtung bietet <1,75% Reflexion pro Oberfläche für 400-700 nm
- Präzise Quarzglassubstrate
- Verschiedene Beschichtungen verfügbar: [Unbeschichtet](#), [UV-AR](#), [UV-VIS](#), [VIS-NIR](#), [VIS 0°](#), [YAG-BBAR](#), [NIR I](#), [NIR II](#) und [VIS-EXT](#)

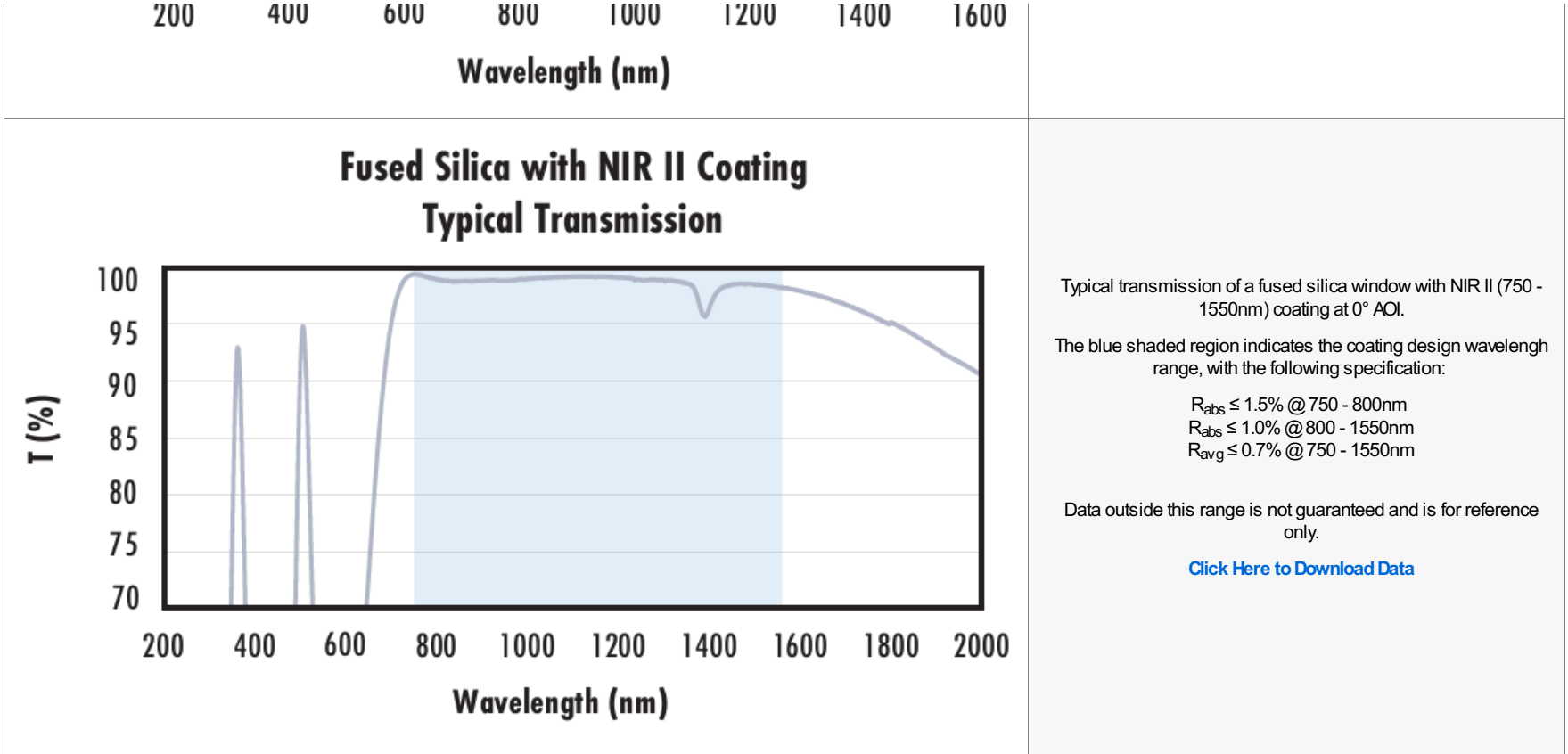
TECHSPEC® Plankonvexe Linsen (PCX) aus UV-Quarzglas zeichnen sich durch Präzisionsspezifikationen und eine Vielzahl von Beschichtungsmöglichkeiten auf einem breitbandigen Substrat aus. Quarzglas wird üblicherweise in Anwendungen von Ultraviolett (UV) bis Nahinfrarot (NIR) verwendet. Aufgrund seines niedrigen Brechungsindex, seines niedrigen Wärmeausdehnungskoeffizienten und seiner geringen Einschlüsse ist es ideal für Laseranwendungen und raue Umgebungsbedingungen. TECHSPEC Plankonvexe Linsen (PCX) aus UV-Quarzglas mit branchenweit führenden Spezifikationen für Durchmesser und Zentrierung eignen sich ideal für die Integration in anspruchsvolle Bildgebungs- und Messanwendungen.

## Technische Informationen



|                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                            | <p>the UV - NIR spectra.</p> <p><a href="#">Click Here to Download Data</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <p><b>Fused Silica with MgF<sub>2</sub> Coating</b><br/><b>Typical Transmission</b></p>  | <p>Typical transmission of a fused silica window with MgF2 (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\% @ 400 - 700\text{nm (N-BK7)}</math></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>                                                                                                            |
| <p><b>Fused Silica with UV-AR Coating</b><br/><b>Typical Transmission</b></p>           | <p>Typical transmission of a fused silica window with UV-AR (250-425nm) 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 1.0\% @ 250 - 425\text{nm}</math><br/><math>R_{avg} \leq 0.75\% @ 250 - 425\text{nm}</math><br/><math>R_{avg} \leq 0.5\% @ 370 - 420\text{nm}</math></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> |
| <p><b>Fused Silica with UV-VIS Coating</b><br/><b>Typical Transmission</b></p>          | <p>Typical transmission of a fused silica window with UV-VIS (250-700nm) coating at 0° AOI.</p> <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p><math>R_{abs} \leq 1.0\% @ 350 - 450\text{nm}</math><br/><math>R_{avg} \leq 1.5\% @ 250 - 700\text{nm}</math></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>                                                          |
| <p><b>Fused Silica with VIS-EXT Coating</b><br/><b>Typical Transmission</b></p>         | <p>Typical transmission of a fused silica 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\% @ 350 - 700\text{nm}</math></p> <p>Data outside this range is not guaranteed and is for reference only.</p>                                                                                                                                                                     |

|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                     | <a href="#">Click Here to Download Data</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <p data-bbox="573 341 1087 445"><b>Fused Silica with VIS-NIR Coating</b><br/><b>Typical Transmission</b></p>       | <p data-bbox="1333 489 1848 534">Typical transmission of a fused silica window with VIS-NIR (400-1000nm) coating at 0° AOI.</p> <p data-bbox="1333 549 1848 593">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <div data-bbox="1465 608 1715 682"><math>R_{abs} \leq 0.25\% \text{ @ } 880\text{nm}</math><math>R_{avg} \leq 1.25\% \text{ @ } 400 - 870\text{nm}</math><math>R_{avg} \leq 1.25\% \text{ @ } 890 - 1000\text{nm}</math></div> <p data-bbox="1333 727 1848 771">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1474 786 1709 801"><a href="#">Click Here to Download Data</a></p>      |
| <p data-bbox="573 1009 1087 1113"><b>Fused Silica with VIS 0° Coating</b><br/><b>Typical Transmission</b></p>    | <p data-bbox="1333 1187 1848 1231">Typical transmission of a fused silica window with VIS 0° (425-675nm) coating at 0° AOI.</p> <p data-bbox="1333 1246 1848 1291">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <div data-bbox="1474 1305 1709 1350"><math>R_{avg} \leq 0.4\% \text{ @ } 425 - 675\text{nm}</math></div> <p data-bbox="1333 1365 1848 1409">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1474 1424 1709 1439"><a href="#">Click Here to Download Data</a></p>                                                                                                                      |
| <p data-bbox="552 1679 1108 1783"><b>Fused Silica with YAG-BBAR Coating</b><br/><b>Typical Transmission</b></p>  | <p data-bbox="1333 1840 1848 1884">Typical transmission of a fused silica window with YAG-BBAR (500-1100nm) coating at 0° AOI.</p> <p data-bbox="1333 1899 1848 1944">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <div data-bbox="1465 1958 1715 2033"><math>R_{abs} \leq 0.25\% \text{ @ } 532\text{nm}</math><math>R_{abs} \leq 0.25\% \text{ @ } 1064\text{nm}</math><math>R_{avg} \leq 1.0\% \text{ @ } 500 - 1100\text{nm}</math></div> <p data-bbox="1333 2047 1848 2092">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1474 2107 1709 2122"><a href="#">Click Here to Download Data</a></p> |
| <p data-bbox="594 2347 1066 2451"><b>Fused Silica with NIR I Coating</b><br/><b>Typical Transmission</b></p>     | <p data-bbox="1333 2537 1848 2582">Typical transmission of a fused silica window with NIR I (600 - 1050nm) coating at 0° AOI.</p> <p data-bbox="1333 2597 1848 2641">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <div data-bbox="1474 2656 1709 2686"><math>R_{avg} \leq 0.5\% \text{ @ } 600 - 1050\text{nm}</math></div> <p data-bbox="1333 2700 1848 2745">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1474 2760 1709 2775"><a href="#">Click Here to Download Data</a></p>                                                                                                                   |



Beschichtungskurven

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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- Enge Toleranzen und komplexe Formen
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