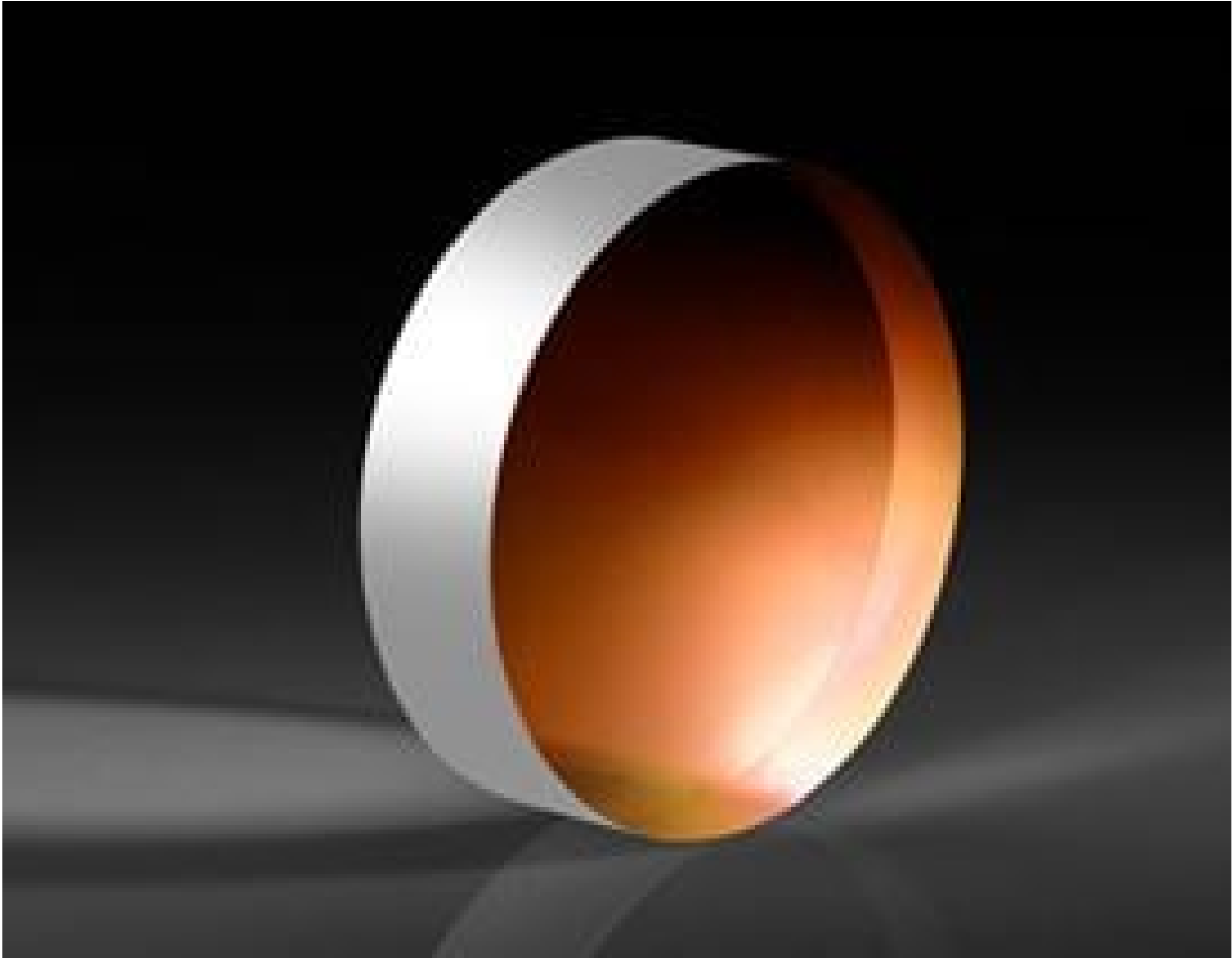


TECHSPEC<sup>®</sup>  $\lambda$ /10-Quarzglasfenster, 25 mm D., 2 mm Dicke, NIR-II-beschichtet



Produkt **#11-901** 11 In Stock

-

1

+

€191<sup>,00</sup>

+ WARENKORB

| Mengenrabatte |                                 |
|---------------|---------------------------------|
| Stk. 1-5      | €191,00 stückpreis              |
| Stk. 6-25     | €152,00 stückpreis              |
| Stk. 26-49    | €142,00 stückpreis              |
| Need More?    | <a href="#">Angebotsanfrage</a> |

ⓘ Preise exklusiv der geltenden Mehrwertsteuer und Abgaben

Downloadbereich

Produktdetails

Protective Window

Typ:

Physikalische und mechanische Eigenschaften

20.00

Freie Apertur CA (mm):

25.00 +0.00/-0.20

Durchmesser (mm):

|                      |                               |
|----------------------|-------------------------------|
| 2.00 ±0.10           | Dicke (mm):                   |
| +0.00/-0.20          | Toleranz Größe (mm):          |
| Protective as needed | Fase:                         |
| 80                   | Freie Apertur (%):            |
| Fine Ground          | Kanten:                       |
| <5                   | Parallelität (Bogensekunden): |
| 0.16                 | Poisson-Zahl:                 |
| 73                   | Elastizitätsmodul (GPa):      |
| 522.00               | Knoop-Härte (kg/mm²):         |

Optische Eigenschaften

|                                                                                                                        |                                    |
|------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| NIR II (750-1550nm)                                                                                                    | Beschichtung:                      |
| <a href="#">Fused Silica</a> (Corning 7980)                                                                            | Substrat: <input type="checkbox"/> |
| 1.458                                                                                                                  | Brechungsindex (n <sub>d</sub> ):  |
| 20-10                                                                                                                  | Oberflächenqualität:               |
| <i>N</i> 10                                                                                                            | Transmittierte Wellenfront, P-V:   |
| 67.8                                                                                                                   | Abbe-Zahl (v <sub>d</sub> ):       |
| 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 | Beschichtungsspezifikation:        |
| 750 - 1550                                                                                                             | Wellenlängenbereich (nm):          |

|                        |                                                        |
|------------------------|--------------------------------------------------------|
| 8 J/cm² @ 1064nm, 10ns | Zerstörschwelle, laut Design: <input type="checkbox"/> |
|------------------------|--------------------------------------------------------|

Materialeigenschaften

|                                                                   |                                                                |
|-------------------------------------------------------------------|----------------------------------------------------------------|
| 2.20                                                              | Dichte (g/cm³):                                                |
| 0.52 (+5 to +35°C)<br>0.57 (0 to +200°C)<br>0.48 (-100 to +200°C) | Thermischer Ausdehnungskoeffizient CTE (10 <sup>-6</sup> /°C): |
| 7980 0G                                                           | Güte Quarzglas:                                                |

Konformität mit Standards

|                          |                         |
|--------------------------|-------------------------|
| <a href="#">Konform</a>  | RoHS 2015:              |
| <a href="#">Anzeigen</a> | Konformitätszertifikat: |
| <a href="#">Konform</a>  | 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
- Hochpräzise Oberflächenqualität und -ebenheit
- Enge Toleranzen und komplexe Formen
- Skalierbare Produktion – vom Prototypen zur Serie

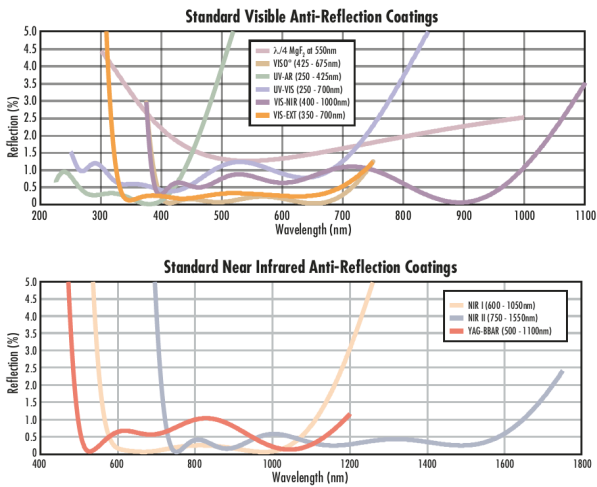
Erfahren Sie mehr über unsere [kundenspezifischen Fertigungsmöglichkeiten](#) oder senden Sie [hier](#) eine Anfrage.

## Produktdetails

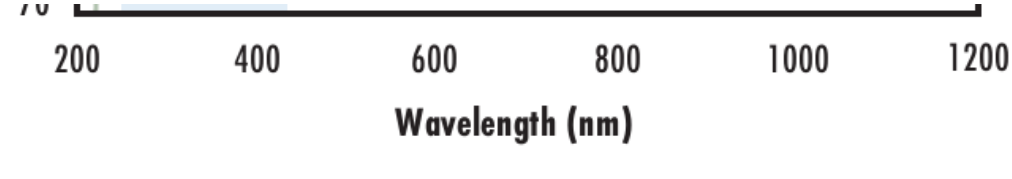
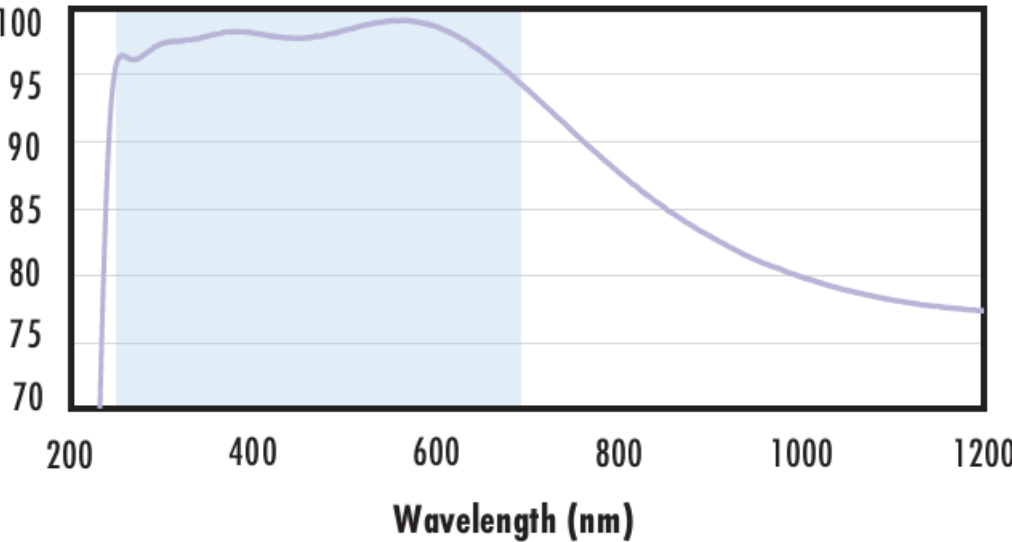
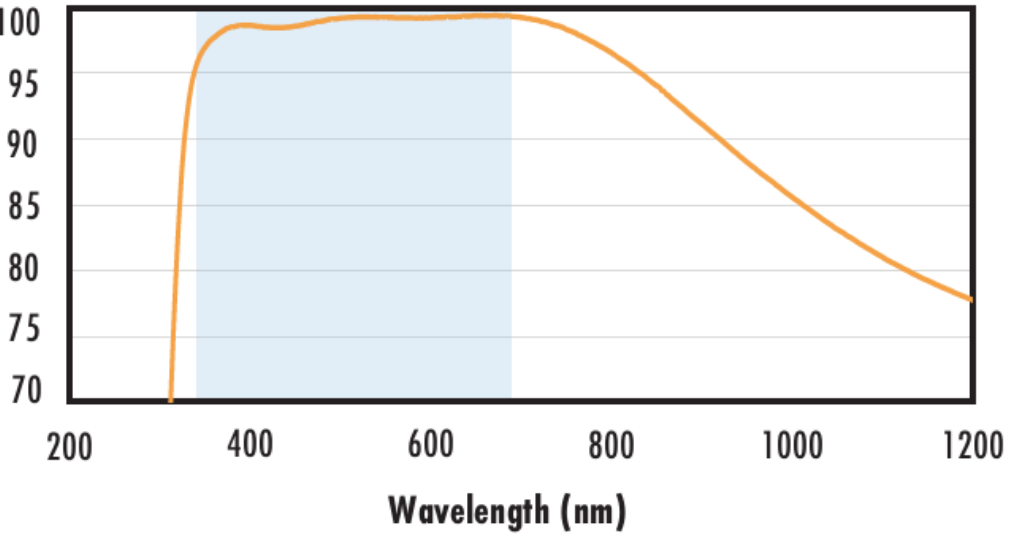
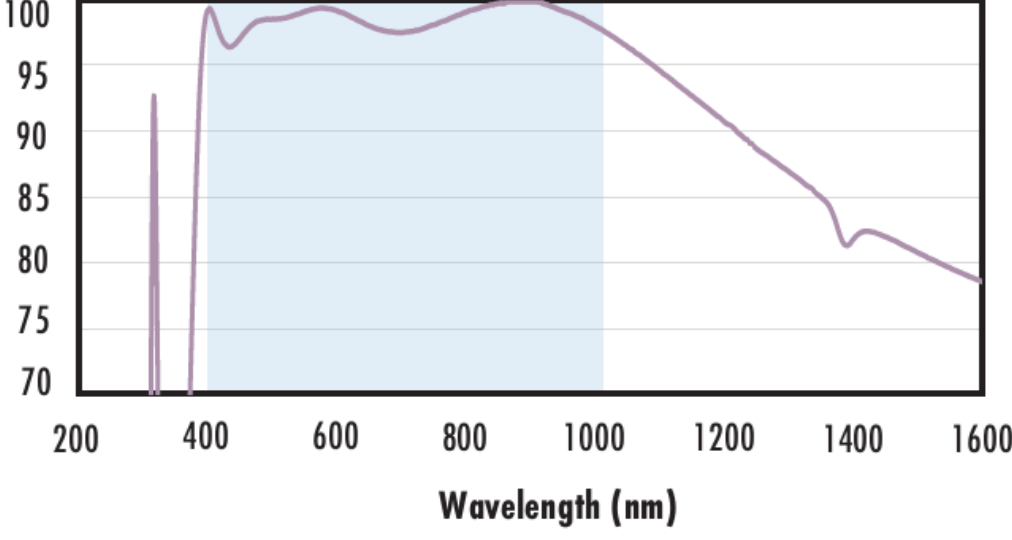
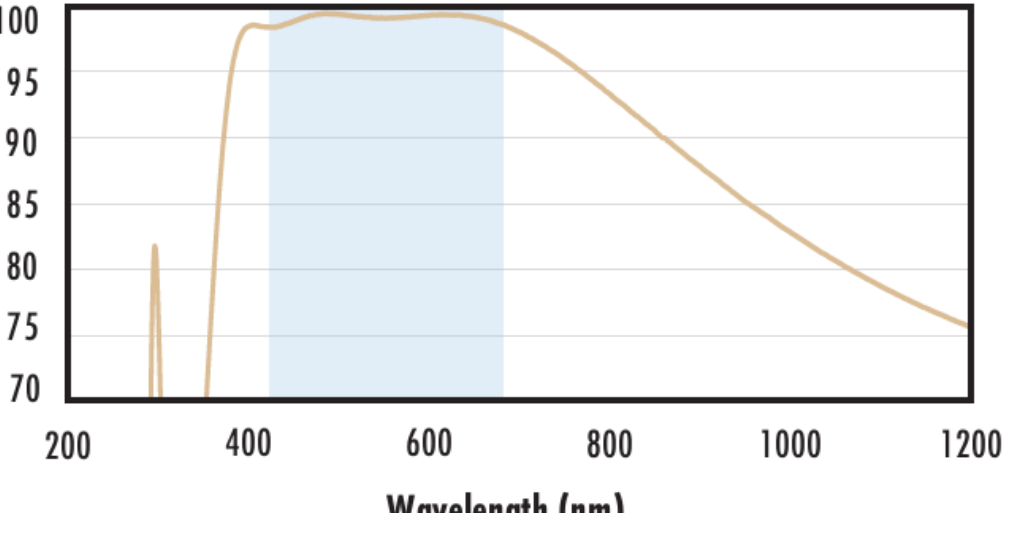
- Fenster mit UV-MS- und UV-Antireflexionsbeschichtung lieferbar
- Transmittierte Wellenfrontverzerrung von *N*10

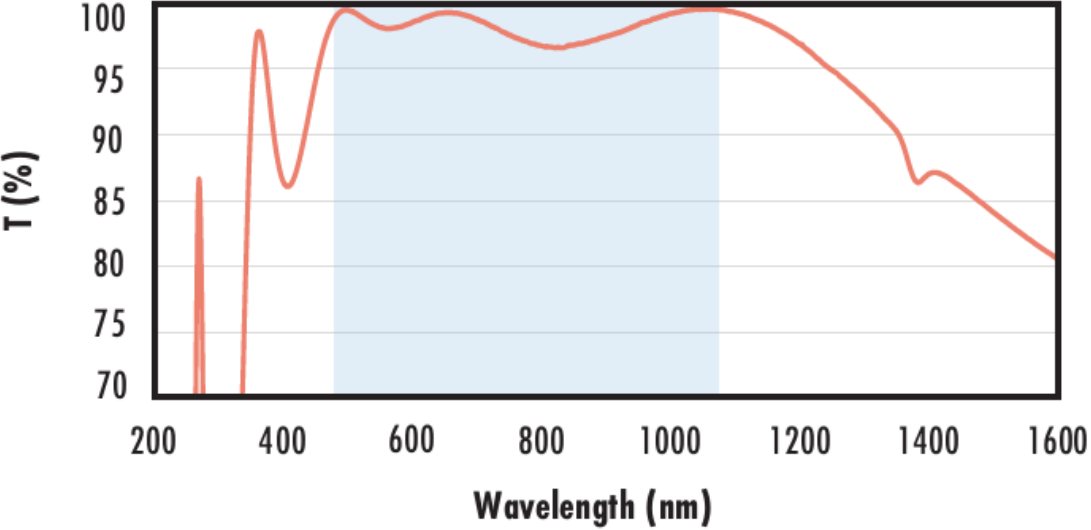
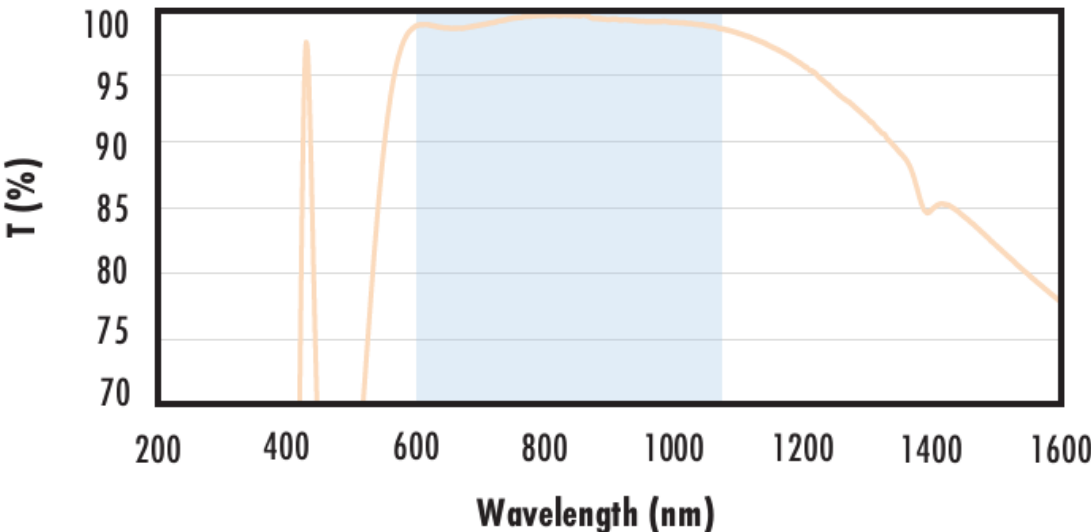
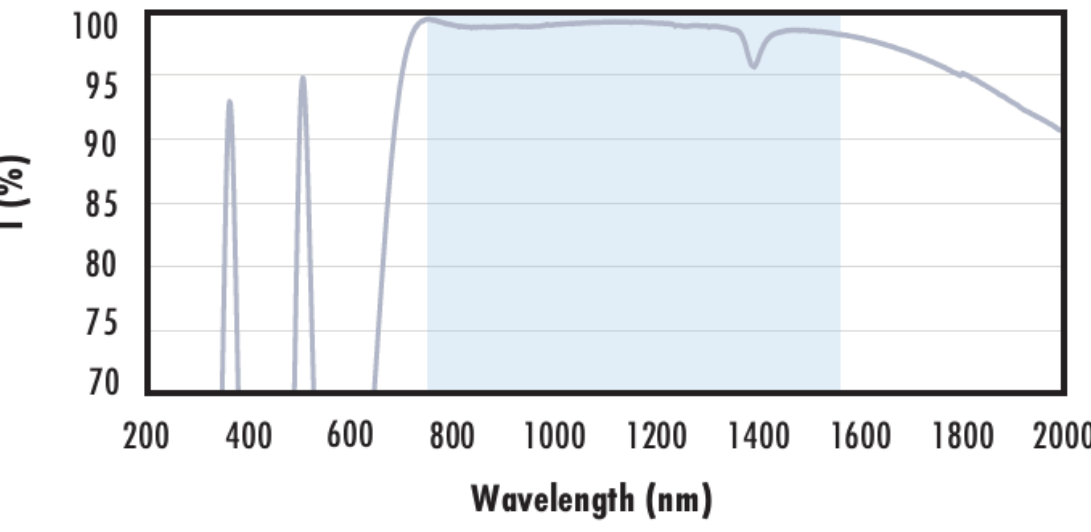
- Rund oder quadratisch mit Größen zwischen 2 und 150 mm
  - **1λ**- oder **λ/4**-Fenster aus UV-Quarzglas ebenfalls erhältlich
- Die TECHSPEC® *N*10-Fenster aus UV-Quarzglas zeichnen sich durch hohe Parallelität und eine für Laser geeignete Oberflächenqualität aus. Außerdem begrenzen die Fenster die Verzerrung der übertragenen Wellenfront auf *N*10. Durch die hervorragende Transmission und die ausgezeichneten thermischen Eigenschaften sowie die engen Fertigungstoleranzen eignen sich die Fenster ideal für anspruchsvollste Anwendungen. TECHSPEC® *N*10-Fenster aus UV-Quarzglas sind rund oder quadratisch in den Größen 2 mm bis 150 mm verfügbar. Die Fenster werden unbeschichtet oder mit Antireflexionsbeschichtungen für den UV-Bereich oder sichtbaren Bereich angeboten.

Technische Informationen



| FUSED SILICA                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>Uncoated Fused Silica<br/>Typical Transmission</div><div></div></div>                     | <div><p>Typical transmission of a 3mm thick, uncoated fused silica window across the UV - NIR spectra.</p><p><a href="#">Click Here to Download Data</a></p></div>                                                                                                                                                                                                                                                                                                                                                                           |
| <div><div>Fused Silica with MgF<sub>2</sub> Coating<br/>Typical Transmission</div><div></div></div> | <div><p>Typical transmission of a 3mm thick fused silica 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\% @ 400 - 700\text{nm}</math> (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><div>Fused Silica with UV-AR Coating<br/>Typical Transmission</div><div></div></div>           | <div><p>Typical transmission of a 3mm thick 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></div> |

|                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <p data-bbox="573 255 1083 365"><b>Fused Silica with UV-VIS Coating</b><br/><b>Typical Transmission</b></p>       | <p data-bbox="1329 418 1850 468">Typical transmission of a 3mm thick fused silica window with UV-VIS (250-700nm) coating at 0° AOI.</p> <p data-bbox="1329 480 1850 531">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <div data-bbox="1476 543 1703 593"><math>R_{abs} \leq 1.0\% \text{ @ } 350 - 450\text{nm}</math><math>R_{avg} \leq 1.5\% \text{ @ } 250 - 700\text{nm}</math></div> <p data-bbox="1329 629 1850 679">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1476 691 1703 712"><a href="#">Click Here to Download Data</a></p>                                                                        |
| <p data-bbox="567 934 1089 1044"><b>Fused Silica with VIS-EXT Coating</b><br/><b>Typical Transmission</b></p>   | <p data-bbox="1329 1121 1850 1172">Typical transmission of a 3mm thick fused silica window with VIS-EXT (350-700nm) coating at 0° AOI.</p> <p data-bbox="1329 1184 1850 1234">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <div data-bbox="1476 1246 1703 1270"><math>R_{avg} \leq 0.5\% \text{ @ } 350 - 700\text{nm}</math></div> <p data-bbox="1329 1282 1850 1332">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1476 1344 1703 1365"><a href="#">Click Here to Download Data</a></p>                                                                                                                          |
| <p data-bbox="571 1614 1085 1724"><b>Fused Silica with VIS-NIR Coating</b><br/><b>Typical Transmission</b></p>  | <p data-bbox="1329 1760 1850 1810">Typical transmission of a 3mm thick fused silica window with VIS-NIR (400-1000nm) coating at 0° AOI.</p> <p data-bbox="1329 1822 1850 1872">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <div data-bbox="1470 1884 1709 1955"><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="1329 1991 1850 2041">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1476 2053 1703 2074"><a href="#">Click Here to Download Data</a></p> |
| <p data-bbox="569 2288 1087 2398"><b>Fused Silica with VIS 0° Coating</b><br/><b>Typical Transmission</b></p>   | <p data-bbox="1329 2466 1850 2516">Typical transmission of a 3mm thick fused silica window with VIS 0° (425-675nm) coating at 0° AOI.</p> <p data-bbox="1329 2528 1850 2579">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <div data-bbox="1476 2591 1703 2614"><math>R_{avg} \leq 0.4\% \text{ @ } 425 - 675\text{nm}</math></div> <p data-bbox="1329 2626 1850 2677">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1476 2689 1703 2709"><a href="#">Click Here to Download Data</a></p>                                                                                                                           |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>Wavelength (nm)</div><div><div><div>Fused Silica with YAG-BBAR Coating</div><div>Typical Transmission</div></div><div><div><div><div>T (%)</div><div>100</div><div>95</div><div>90</div><div>85</div><div>80</div><div>75</div><div>70</div></div><div><div><div><div>200</div><div>400</div><div>600</div><div>800</div><div>1000</div><div>1200</div><div>1400</div><div>1600</div></div><div>Wavelength (nm)</div></div></div><div></div></div></div></div></div>                               | <div><p>Typical transmission of a 3mm thick fused silica window with YAG-BBAR (500-1100nm) coating at 0° AOI.</p><p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p><div><div><math>R_{abs} \leq 0.25\% \text{ @ } 532\text{nm}</math></div><div><math>R_{abs} \leq 0.25\% \text{ @ } 1064\text{nm}</math></div><div><math>R_{avg} \leq 1.0\% \text{ @ } 500 - 1100\text{nm}</math></div></div><p>Data outside this range is not guaranteed and is for reference only.</p><div><a href="#">Click Here to Download Data</a></div></div>           |
| <div><div>Wavelength (nm)</div><div><div><div>Fused Silica with NIR I Coating</div><div>Typical Transmission</div></div><div><div><div><div>T (%)</div><div>100</div><div>95</div><div>90</div><div>85</div><div>80</div><div>75</div><div>70</div></div><div><div><div><div>200</div><div>400</div><div>600</div><div>800</div><div>1000</div><div>1200</div><div>1400</div><div>1600</div></div><div>Wavelength (nm)</div></div></div><div></div></div></div></div></div>                                 | <div><p>Typical transmission of a 3mm thick fused silica window with NIR I (600 - 1050nm) coating at 0° AOI.</p><p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p><div><div><math>R_{avg} \leq 0.5\% \text{ @ } 600 - 1050\text{nm}</math></div></div><p>Data outside this range is not guaranteed and is for reference only.</p><div><a href="#">Click Here to Download Data</a></div></div>                                                                                                                                                   |
| <div><div>Wavelength (nm)</div><div><div><div>Fused Silica with NIR II Coating</div><div>Typical Transmission</div></div><div><div><div><div>T (%)</div><div>100</div><div>95</div><div>90</div><div>85</div><div>80</div><div>75</div><div>70</div></div><div><div><div><div>200</div><div>400</div><div>600</div><div>800</div><div>1000</div><div>1200</div><div>1400</div><div>1600</div><div>1800</div><div>2000</div></div><div>Wavelength (nm)</div></div></div><div></div></div></div></div></div> | <div><p>Typical transmission of a 3mm thick fused silica window with NIR II (750 - 1550nm) coating at 0° AOI.</p><p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p><div><div><math>R_{abs} \leq 1.5\% \text{ @ } 750 - 800\text{nm}</math></div><div><math>R_{abs} \leq 1.0\% \text{ @ } 800 - 1550\text{nm}</math></div><div><math>R_{avg} \leq 0.7\% \text{ @ } 750 - 1550\text{nm}</math></div></div><p>Data outside this range is not guaranteed and is for reference only.</p><div><a href="#">Click Here to Download Data</a></div></div> |

Kompatible Halterungen