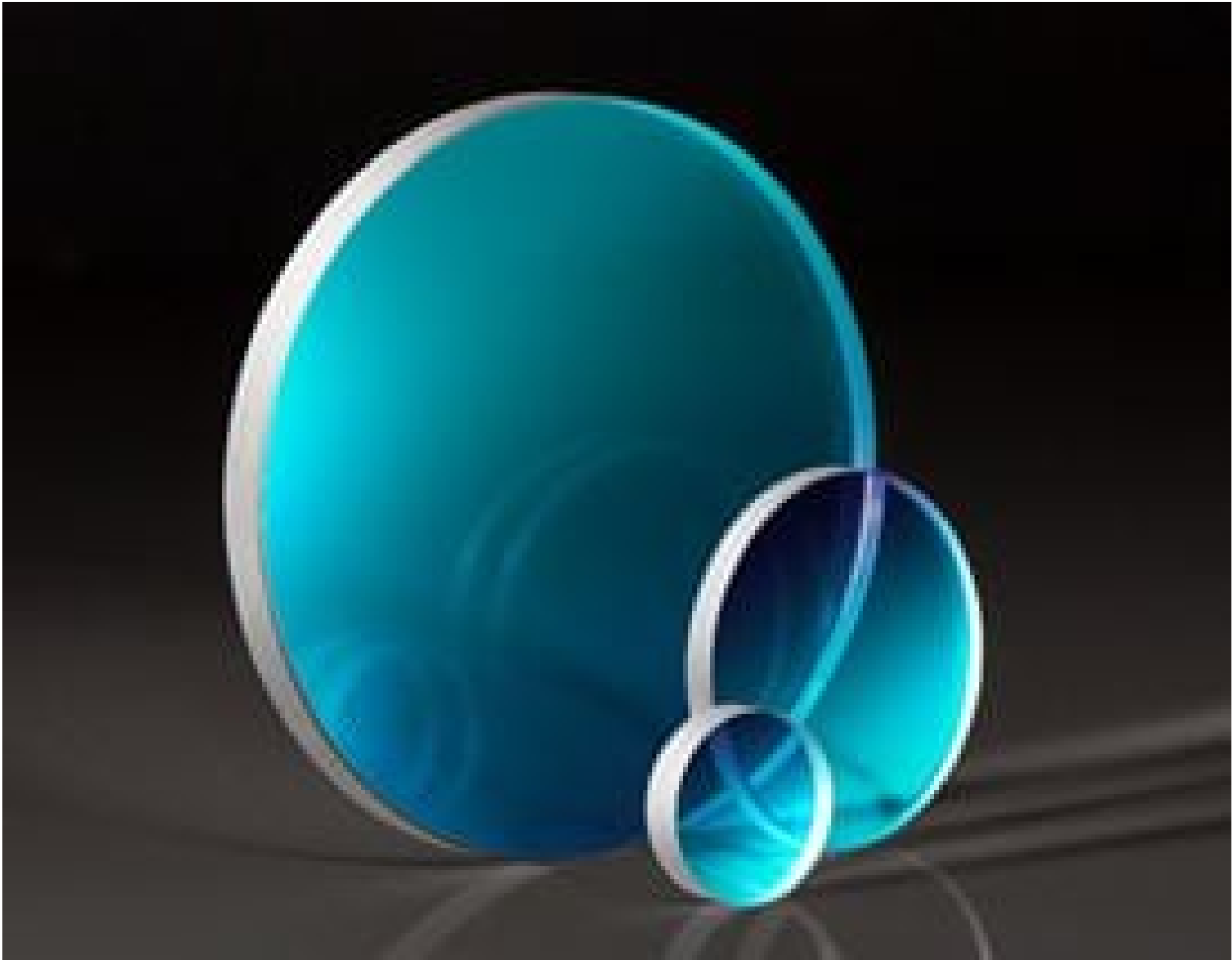


TECHSPEC<sup>®</sup>

Keilfenster aus Quarzglas, 25 mm Durchmesser, NIR-II-beschichtet, 30 Bogenminuten



TECHSPEC<sup>®</sup> Fused Silica Wedged Windows

Produkt **#25-622** 20+ In Stock

-

1

+

€191<sup>.00</sup>

+ WARENKORB

| Mengenrabatte |                                 |
|---------------|---------------------------------|
| Stk. 1-5      | €191,00 stückpreis              |
| Stk. 6-25     | €152,00 stückpreis              |
| Stk. 26-49    | €143,00 stückpreis              |
| Need More?    | <a href="#">Angebotsanfrage</a> |

ⓘ Preise exklusiv der geltenden Mehrwertsteuer und Abgaben

Downloadbereich

Produktdetails

Wedged Window

Typ:

Physikalische und mechanische Eigenschaften

22.50

Freie Apertur CA (mm):

|                  |                          |
|------------------|--------------------------|
| 25.00 +0.0/-0.10 | Durchmesser (mm):        |
| 3.00 ±0.20       | Dicke (mm):              |
| Fine Ground      | Kanten:                  |
| 73               | Elastizitätsmodul (GPa): |
| 30' ±10'         | Keilwinkel (arcmin):     |

Optische Eigenschaften

|                                                                                                                   |                                    |
|-------------------------------------------------------------------------------------------------------------------|------------------------------------|
| NIR II (750-1550nm)                                                                                               | Beschichtung:                      |
| Fused Silica (Corning 7980)                                                                                       | Substrat: <input type="checkbox"/> |
| 1.458                                                                                                             | Brechungsindex (n <sub>d</sub> ):  |
| 20-10                                                                                                             | Oberflächenqualität:               |
| Beschichtungsspezifikation:<br>Rabs ≤1.5% @ 750 - 800nm<br>Ravg ≤0.7% @ 750 - 1550nm<br>Rabs ≤1.0% @ 800 - 1550nm |                                    |
| 750 - 1550                                                                                                        | Wellenlängenbereich (nm):          |
| λ/10                                                                                                              | Oberflächenebenheit (P-V):         |
| 8 J/cm2 @ 1064nm, 10ns                                                                                            | Zerstörschwelle, Referenz:         |

Materialeigenschaften

|                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------|
| Thermischer Ausdehnungskoeffizient CTE (10 <sup>-6</sup> /°C):<br>0.52 (+5 to +35°C)<br>0.57 (0 to +200°C)<br>0.48 (-100 to +200°C) |
|-------------------------------------------------------------------------------------------------------------------------------------|

Konformität mit Standards

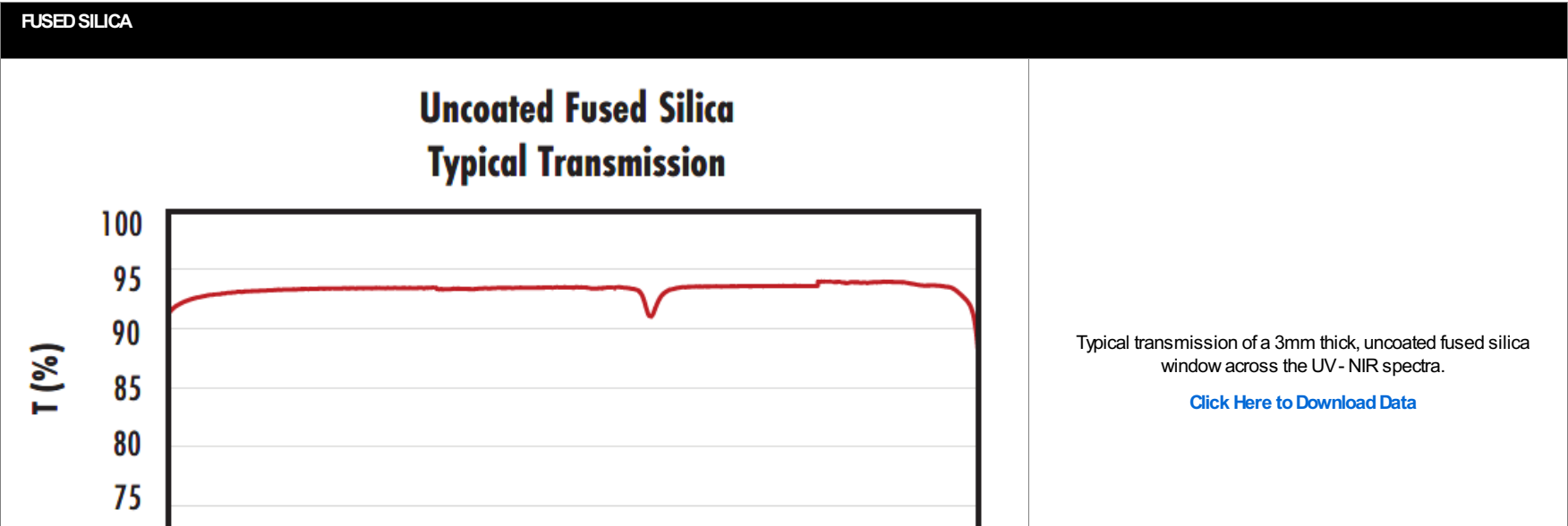
|          |                         |
|----------|-------------------------|
| Konform  | RoHS 2015:              |
| Anzeigen | Konformitätszertifikat: |
| Konform  | Reach 235:              |

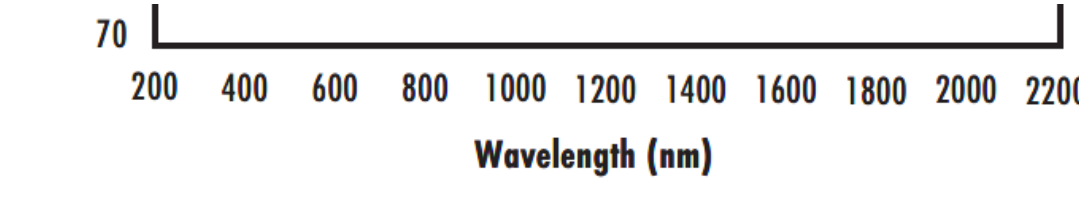
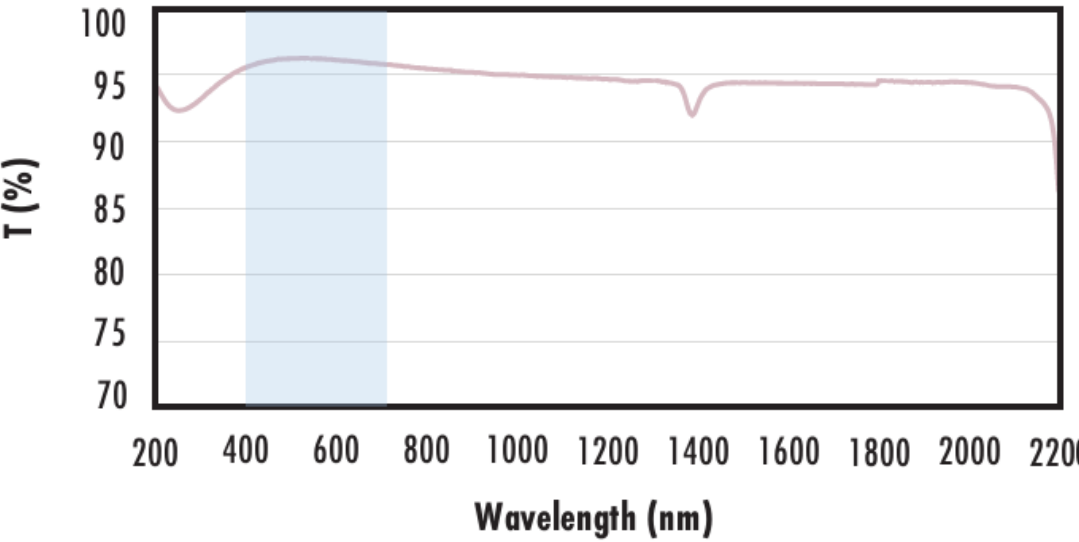
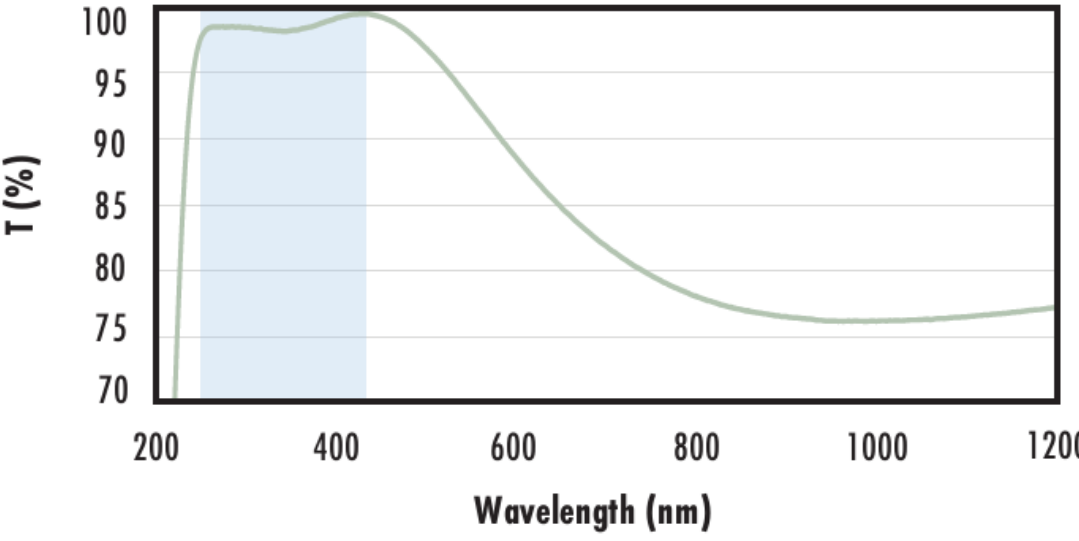
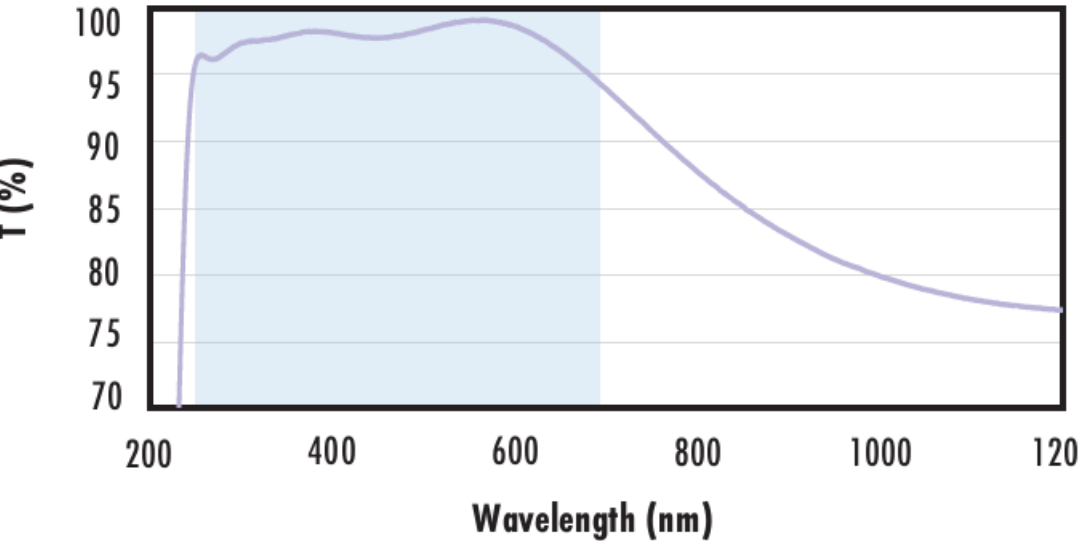
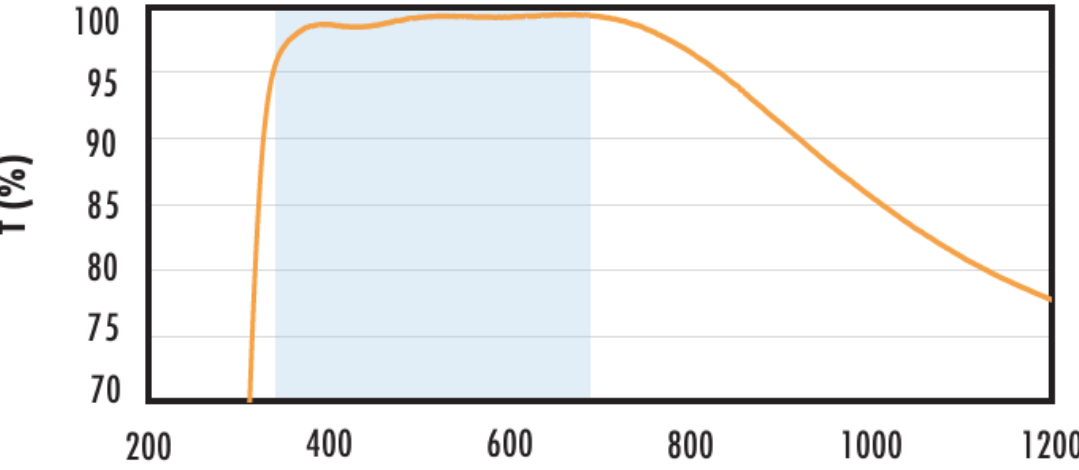
Produktdetails

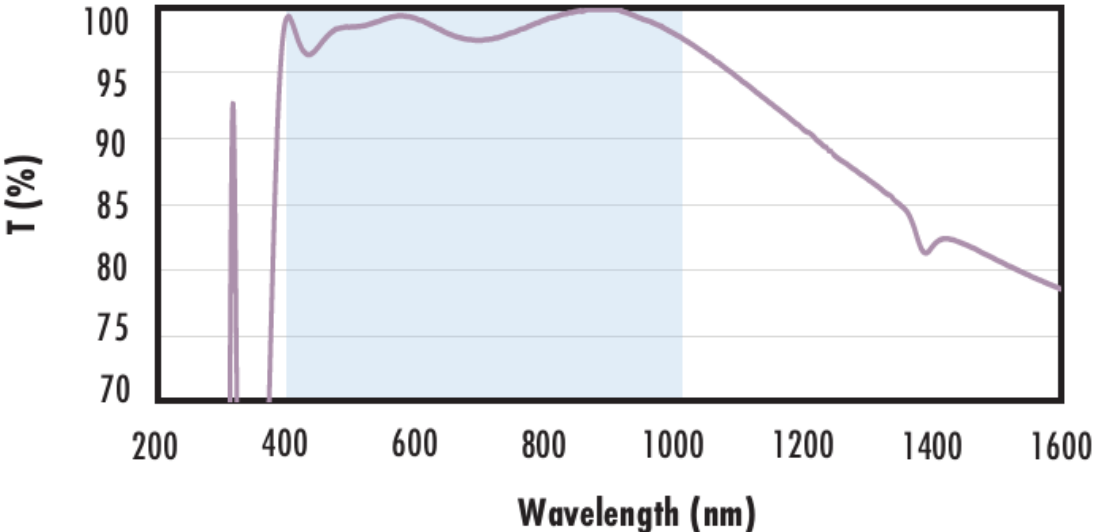
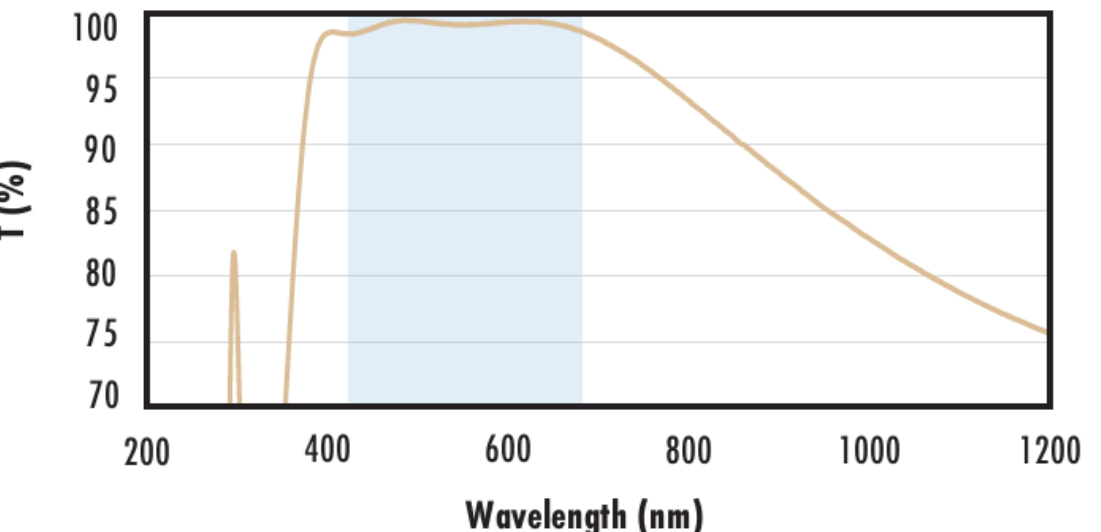
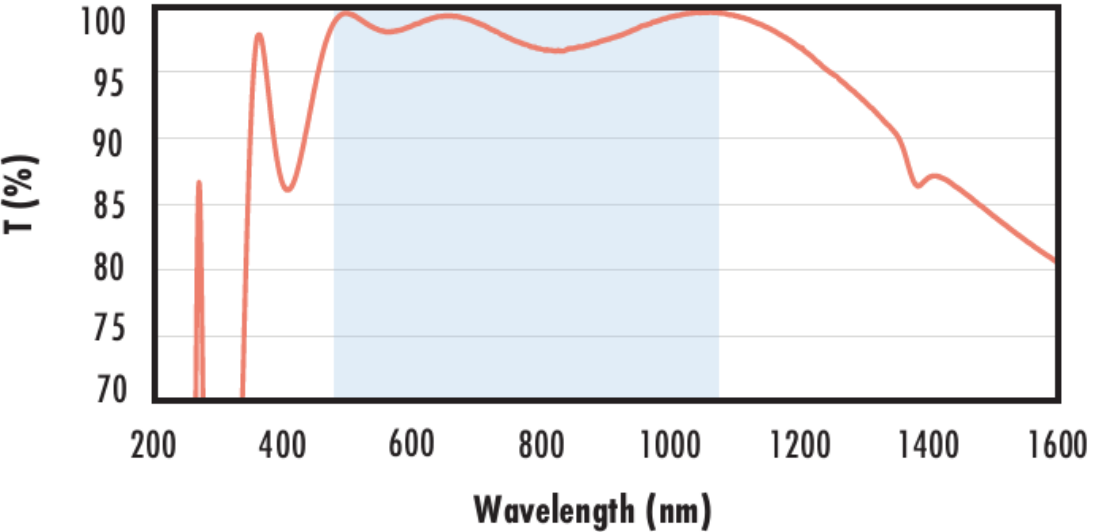
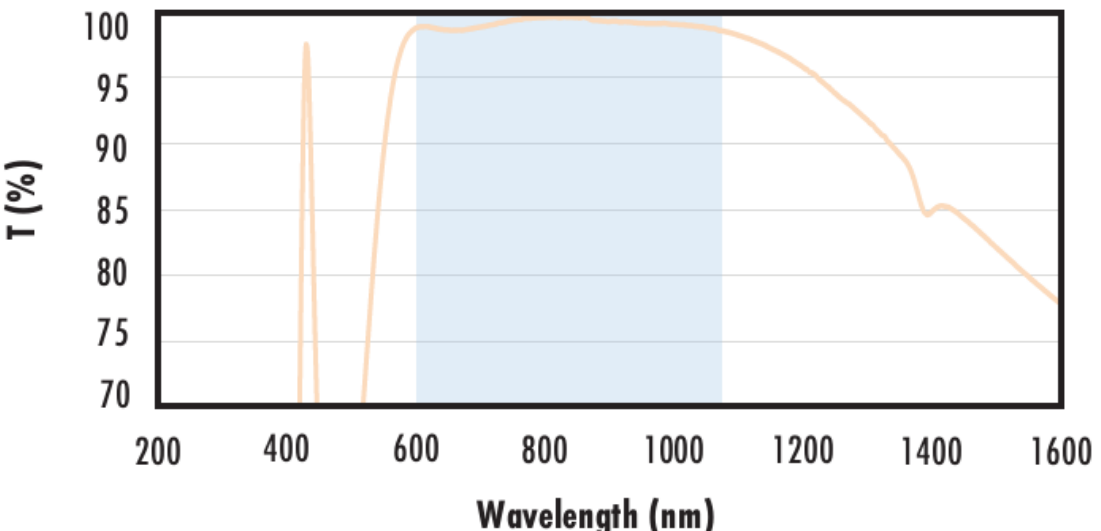
- Keilwinkel von 30 Bogenminuten bis 10°
- Oberflächenebenheit λ/10 und Oberflächenqualität 20-10
- Verhindern Laserinstabilität bei Einsatz in Laserresonatoren
- Keilfenster aus N-BK7 und plane Fenster aus Quarzglas sind ebenfalls verfügbar

Die TECHSPEC® Keilfenster aus UV-Quarzglas haben einen Keilwinkel zwischen 30 Bogenminuten und 10°. Der Keil der Fenster eliminiert Etalon-Effekte, indem verhindert wird, dass Rückreflexionen den gleichen optischen Strahlengang haben wie der transmittierte Strahl. Dies schützt bei einem Einsatz innerhalb des Laserresonators vor Laserinstabilität, Modensprüngen und Leistungsspitzen und bei einem Einsatz außerhalb vor Strahlinterferenzeffekten. Die TECHSPEC® Keilfenster aus UV-Quarzglas sind ideal für den Einsatz in Laseranwendungen im UV oder mit hoher Leistung, da sie eine hohe UV-Transmission und Unempfindlichkeit gegenüber Temperaturschwankungen bieten. Keilfenster können auch als Strahl-Sampler oder Auskopplungs-Optik genutzt werden, um Laserstrahleigenschaften wie die Strahlleistung über eine gewisse Zeitspanne zu beobachten.

Technische Informationen



|                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <p data-bbox="590 281 1068 388"><b>Fused Silica with MgF<sub>2</sub> Coating</b><br/><b>Typical Transmission</b></p>  | <p data-bbox="1341 460 1839 513">Typical transmission of a 3mm thick fused silica window with MgF<sub>2</sub> (400-700nm) coating at 0° AOI.</p> <p data-bbox="1331 525 1850 575">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p data-bbox="1436 587 1745 614"><math>R_{avg} \leq 1.75\% @ 400 - 700\text{nm (N-BK7)}</math></p> <p data-bbox="1341 626 1839 676">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1472 688 1709 712"><a href="#">Click Here to Download Data</a></p>                                                                                                                                                                                 |
| <p data-bbox="579 958 1079 1065"><b>Fused Silica with UV-AR Coating</b><br/><b>Typical Transmission</b></p>         | <p data-bbox="1327 1118 1856 1169">Typical transmission of a 3mm thick fused silica window with UV-AR (250-425nm) coating at 0° AOI.</p> <p data-bbox="1331 1181 1850 1231">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p data-bbox="1472 1243 1709 1270"><math>R_{abs} \leq 1.0\% @ 250 - 425\text{nm}</math></p> <p data-bbox="1472 1270 1709 1297"><math>R_{avg} \leq 0.75\% @ 250 - 425\text{nm}</math></p> <p data-bbox="1472 1297 1709 1323"><math>R_{avg} \leq 0.5\% @ 370 - 420\text{nm}</math></p> <p data-bbox="1341 1332 1839 1383">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1472 1394 1709 1418"><a href="#">Click Here to Download Data</a></p> |
| <p data-bbox="573 1638 1083 1745"><b>Fused Silica with UV-VIS Coating</b><br/><b>Typical Transmission</b></p>       | <p data-bbox="1327 1798 1856 1849">Typical transmission of a 3mm thick fused silica window with UV-VIS (250-700nm) coating at 0° AOI.</p> <p data-bbox="1331 1860 1850 1911">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p data-bbox="1472 1923 1709 1949"><math>R_{abs} \leq 1.0\% @ 350 - 450\text{nm}</math></p> <p data-bbox="1472 1949 1709 1976"><math>R_{avg} \leq 1.5\% @ 250 - 700\text{nm}</math></p> <p data-bbox="1341 2015 1839 2065">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1472 2077 1709 2101"><a href="#">Click Here to Download Data</a></p>                                                                                             |
| <p data-bbox="567 2318 1087 2424"><b>Fused Silica with VIS-EXT Coating</b><br/><b>Typical Transmission</b></p>      | <p data-bbox="1341 2502 1839 2552">Typical transmission of a 3mm thick fused silica window with VIS-EXT (350-700nm) coating at 0° AOI.</p> <p data-bbox="1331 2564 1850 2614">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p data-bbox="1472 2626 1709 2653"><math>R_{avg} \leq 0.5\% @ 350 - 700\text{nm}</math></p> <p data-bbox="1341 2665 1839 2715">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1472 2727 1709 2751"><a href="#">Click Here to Download Data</a></p>                                                                                                                                                                                        |

|                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>Wavelength (nm)</div><div><div>Fused Silica with VIS-NIR Coating</div><div>Typical Transmission</div><div></div></div></div>    | <div><div>Typical transmission of a 3mm thick fused silica 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><div><math>R_{abs} \leq 0.25\% \text{ @ } 880\text{nm}</math></div><div><math>R_{avg} \leq 1.25\% \text{ @ } 400 - 870\text{nm}</math></div><div><math>R_{avg} \leq 1.25\% \text{ @ } 890 - 1000\text{nm}</math></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><div>Wavelength (nm)</div><div><div>Fused Silica with VIS 0° Coating</div><div>Typical Transmission</div><div></div></div></div>    | <div><div>Typical transmission of a 3mm thick fused silica window with VIS 0° (425-675nm) coating at 0° AOI.</div><div>The blue shaded region indicates the coating design wavelength range, with the following specification:</div><div><div><math>R_{avg} \leq 0.4\% \text{ @ } 425 - 675\text{nm}</math></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><div>Wavelength (nm)</div><div><div>Fused Silica with YAG-BBAR Coating</div><div>Typical Transmission</div><div></div></div></div> | <div><div>Typical transmission of a 3mm thick fused silica 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><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><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><div>Wavelength (nm)</div><div><div>Fused Silica with NIR I Coating</div><div>Typical Transmission</div><div></div></div></div>    | <div><div>Typical transmission of a 3mm thick fused silica 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><math>R_{avg} \leq 0.5\% \text{ @ } 600 - 1050\text{nm}</math></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><div>Fused Silica with NIR II Coating</div></div>                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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

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