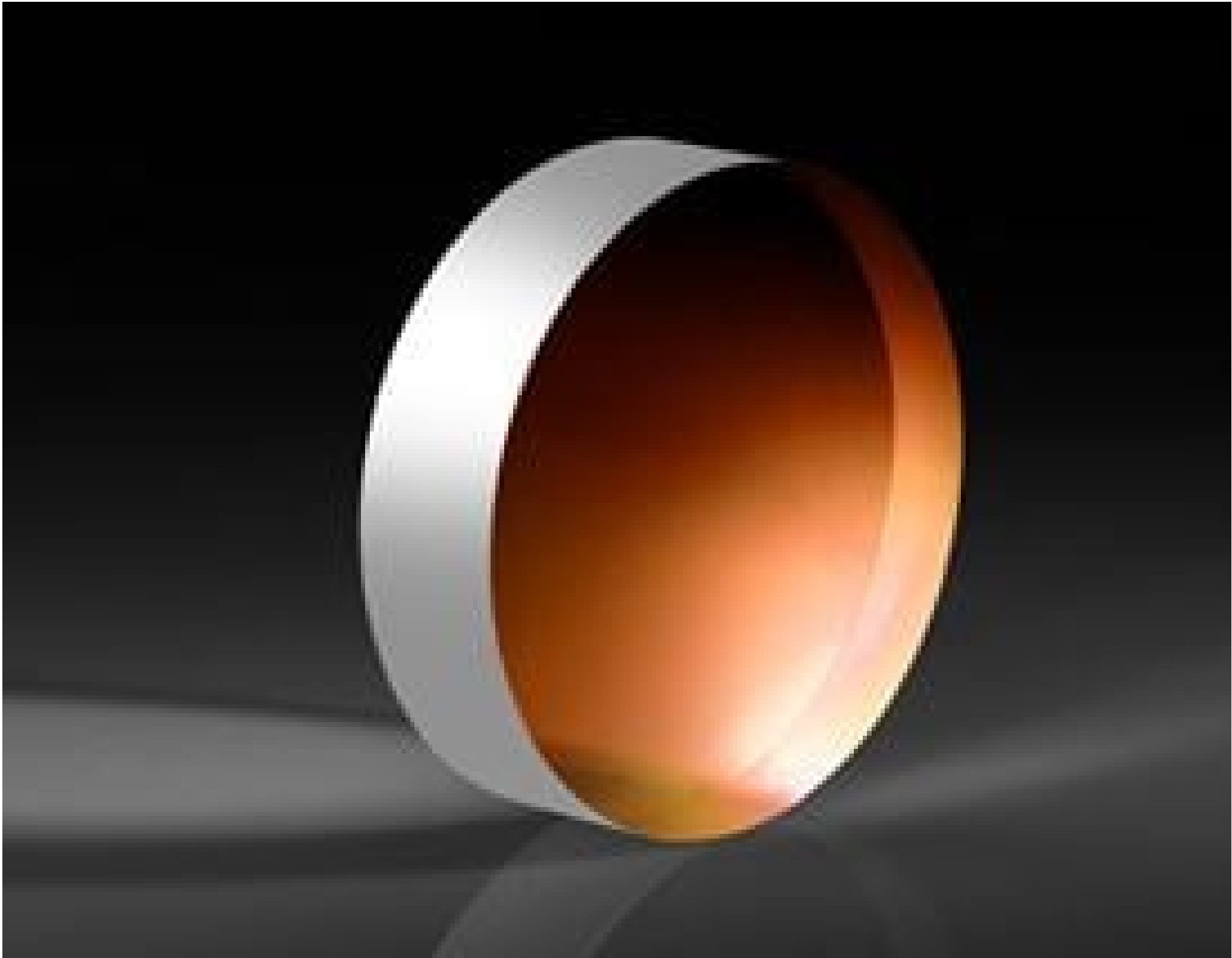


TECHSPEC<sup>®</sup> λ/10-Quarzglasfenster, 25,4 mm D., 3 mm Dicke, VIS-EXT-beschichtet



Produkt **#15-782** **4 In Stock**

-

1

+

€197<sup>,00</sup>

+ WARENKORB

| Mengenrabatte |                                 |
|---------------|---------------------------------|
| Stk. 1-5      | €197,00 stückpreis              |
| Stk. 6-25     | €157,00 stückpreis              |
| Stk. 26-49    | €147,00 stückpreis              |
| Need More?    | <a href="#">Angebotsanfrage</a> |

ⓘ Preise exklusiv der geltenden Mehrwertsteuer und Abgaben

Downloadbereich

SPEZIFIKATIONEN

Produktdetails

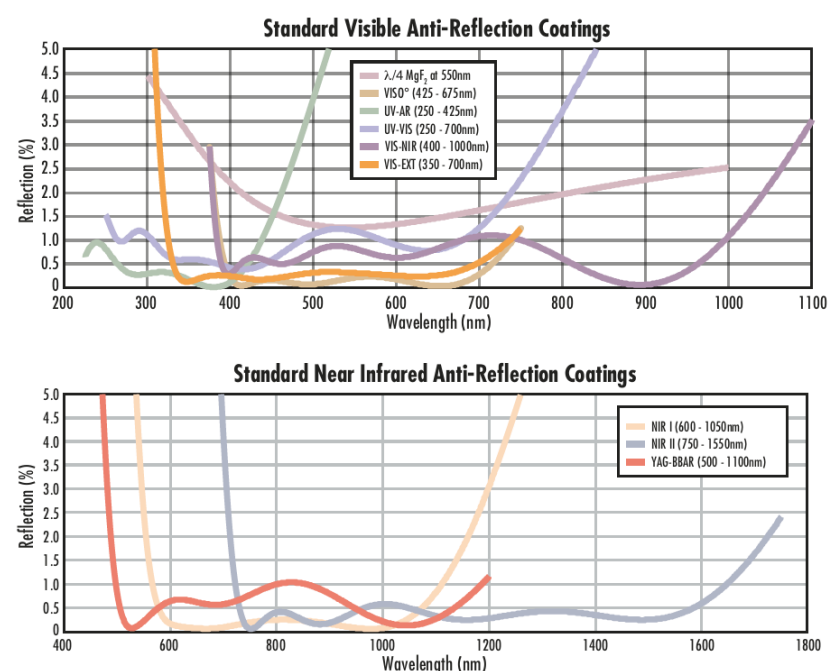
| Typ:              |  |
|-------------------|--|
| Protective Window |  |
|                   |  |

| Physikalische und mechanische Eigenschaften                       |                                                                |
|-------------------------------------------------------------------|----------------------------------------------------------------|
| Protective as needed                                              | Fase:                                                          |
| 80                                                                | Freie Apertur (%):                                             |
| 20.32                                                             | Freie Apertur CA (mm):                                         |
| 25.40 +0.00/-0.20                                                 | Durchmesser (mm):                                              |
| 3.00 ±0.10                                                        | Dicke (mm):                                                    |
| Fine Ground                                                       | Kanten:                                                        |
| 522.00                                                            | Knoop-Härte (kg/mm²):                                          |
| <5                                                                | Parallelität (Bogensekunden):                                  |
| 0.16                                                              | Poisson-Zahl:                                                  |
| 73                                                                | Elastizitätsmodul (GPa):                                       |
| Optische Eigenschaften                                            |                                                                |
| 67.8                                                              | Abbe-Zahl (v <sub>d</sub> ):                                   |
| VS-EXT (350-700nm)                                                | Beschichtung:                                                  |
| R <sub>avg</sub> <0.5% @ 350 - 700nm                              | Beschichtungsspezifikation:                                    |
| 1.458                                                             | Brechungsindex (n <sub>d</sub> ):                              |
| <a href="#">Fused Silica</a> (Corning 7980)                       | Substrat:                                                      |
| 20-10                                                             | Oberflächenqualität:                                           |
| λ/10                                                              | Transmittierte Wellenfront, P-V:                               |
| 350 - 700                                                         | Wellenlängenbereich (nm):                                      |
| 5 J/cm² @ 532nm, 10ns                                             | Zerstörschwelle, laut Design: <input type="checkbox"/>         |
| Materialeigenschaften                                             |                                                                |
| 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): |
| 2.20                                                              | Dichte (g/cm³):                                                |
| Konformität mit Standards                                         |                                                                |
| <a href="#">Konform</a>                                           | RoHS 2015:                                                     |
| <a href="#">Anzeigen</a>                                          | Konformitätszertifikat:                                        |
| <a href="#">Konform</a>                                           | Reach 235:                                                     |

## PRODUKTDDETAILS

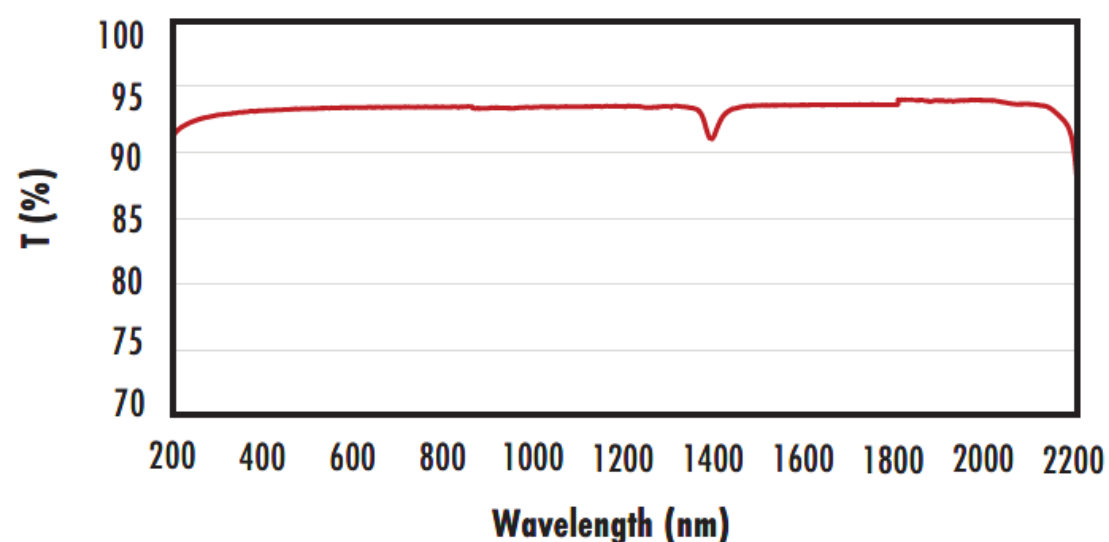
- Fenster mit UV-VIS- und UV-Antireflexionsbeschichtung lieferbar
  - Transmittierte Wellenfrontverzerrung von λ/10
  - Rund oder quadratisch mit Größen zwischen 2 und 150 mm
  - [1λ](#)- oder [λ/4](#)-Fenster aus UV-Quarzglas ebenfalls erhältlich
- Die TECHSPEC® λ/10-Fenster aus UV-Quarzglas zeichnen sich durch hohe Parallelität und eine für Laser geeignete Oberflächenqualität aus. Außerdem begrenzen die Fenster die Verzerrung der übertragenen Wellenfront auf λ/10. Durch die hervorragende Transmission und die ausgezeichneten thermischen Eigenschaften sowie die engen Fertigungstoleranzen eignen sich die Fenster ideal für anspruchsvollste Anwendungen. TECHSPEC® λ/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

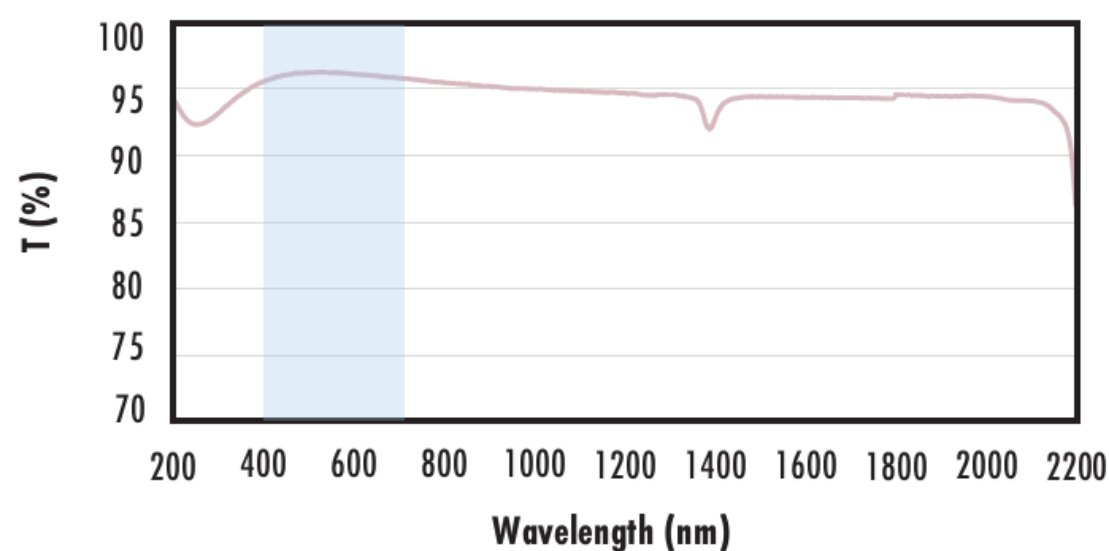
### Uncoated Fused Silica Typical Transmission



Typical transmission of a 3mm thick, uncoated fused silica window across the UV - NIR spectra.

[Click Here to Download Data](#)

### Fused Silica with MgF<sub>2</sub> Coating Typical Transmission



Typical transmission of a 3mm thick fused silica window with MgF<sub>2</sub> (400-700nm) coating at 0° AOI.

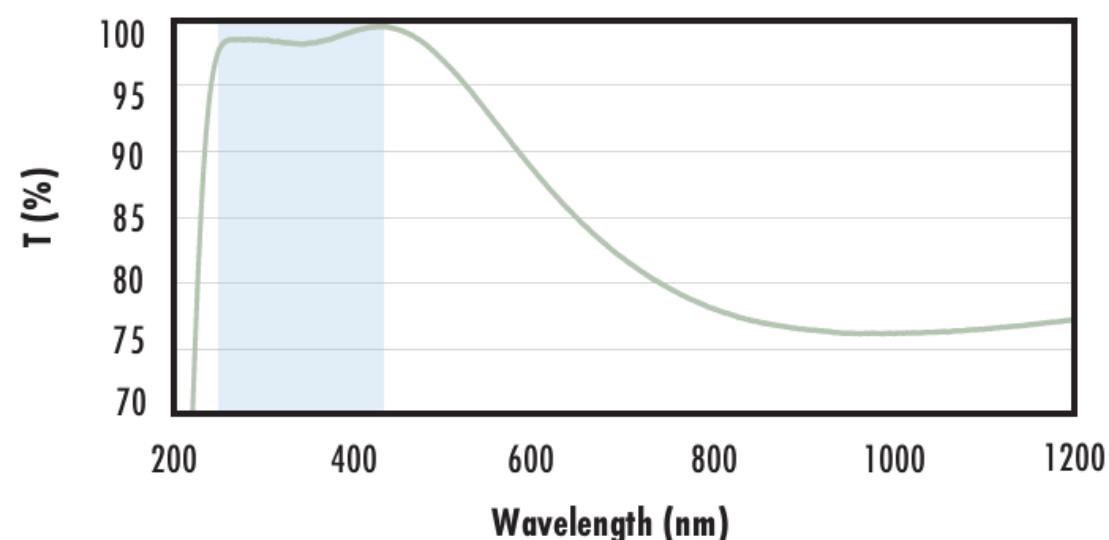
The blue shaded region indicates the coating design wavelength range, with the following specification:

$R_{avg} \leq 1.75\% @ 400 - 700\text{nm}$  (N-BK7)

Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)

### Fused Silica with UV-AR Coating Typical Transmission



Typical transmission of a 3mm thick fused silica window with UV-AR (250-425nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelength range, with the following specification:

$R_{abs} \leq 1.0\% @ 250 - 425\text{nm}$

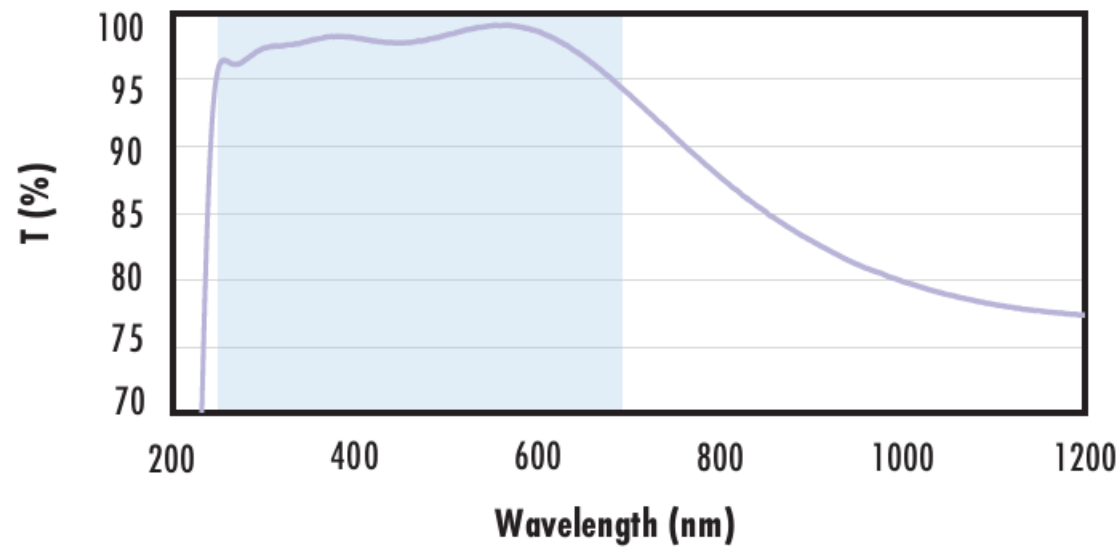
$R_{avg} \leq 0.75\% @ 250 - 425\text{nm}$

$R_{avg} \leq 0.5\% @ 370 - 420\text{nm}$

Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)

### Fused Silica with UV-VIS Coating



Typical transmission of a 3mm thick fused silica window with UV-MS (250-700nm) coating at 0° AOI.

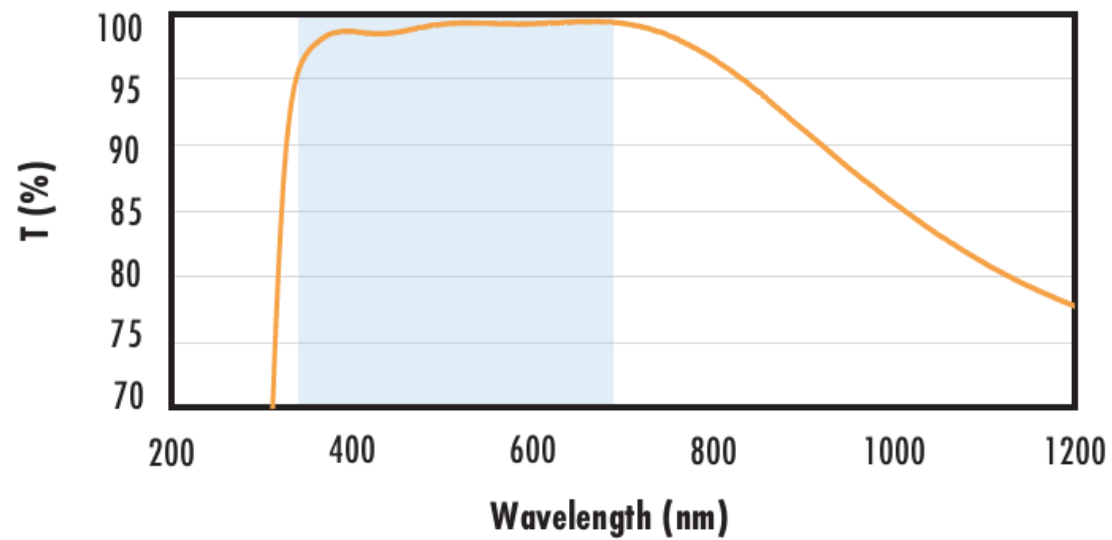
The blue shaded region indicates the coating design wavelength range, with the following specification:

$R_{abs} \leq 1.0\% @ 350 - 450\text{nm}$   
 $R_{avg} \leq 1.5\% @ 250 - 700\text{nm}$

Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)

### Fused Silica with VIS-EXT Coating



Typical transmission of a 3mm thick fused silica window with VIS-EXT (350-700nm) coating at 0° AOI.

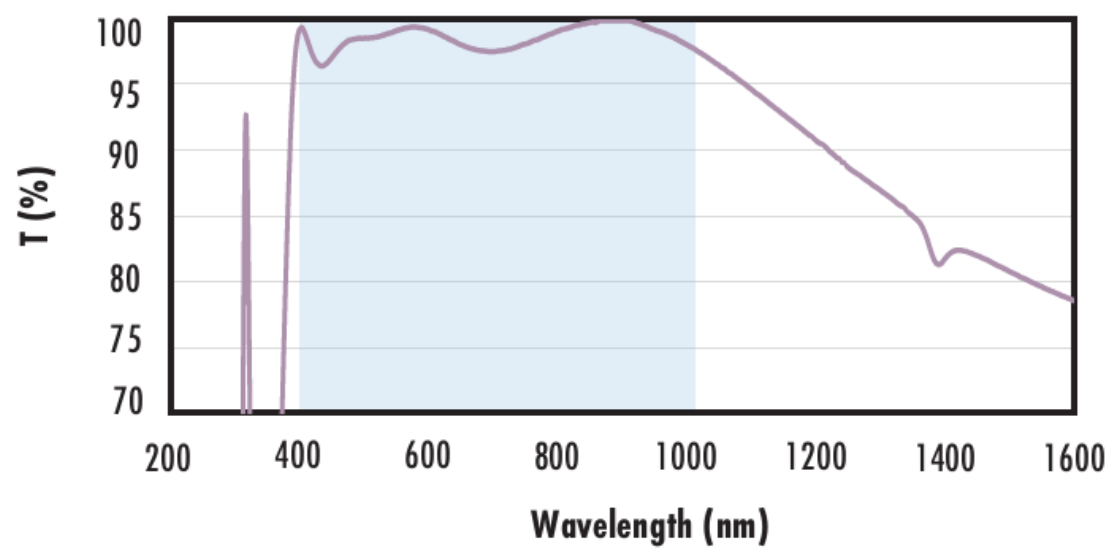
The blue shaded region indicates the coating design wavelength range, with the following specification:

$$R_{avg} \leq 0.5\% @ 350 - 700\text{nm}$$

Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)

### Fused Silica with VIS-NIR Coating Typical Transmission



Typical transmission of a 3mm thick fused silica window with  
VIS-NIR (400-1000nm) coating at 0° AOI.

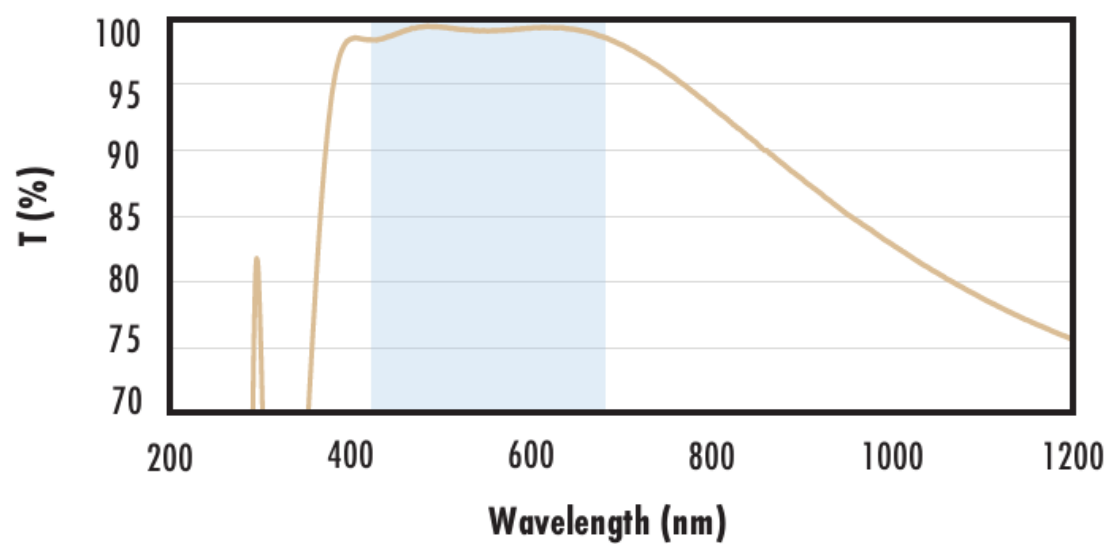
The blue shaded region indicates the coating design wavelength range, with the following specification:

$$\begin{aligned} R_{\text{abs}} &\leq 0.25\% @ 880\text{nm} \\ R_{\text{avg}} &\leq 1.25\% @ 400 - 870\text{nm} \\ R_{\text{avg}} &\leq 1.25\% @ 890 - 1000\text{nm} \end{aligned}$$

Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)

### Fused Silica with VIS 0° Coating



Typical transmission of a 3mm thick fused silica window with VIS  
0° (425-675nm) coating at 0° AOI.

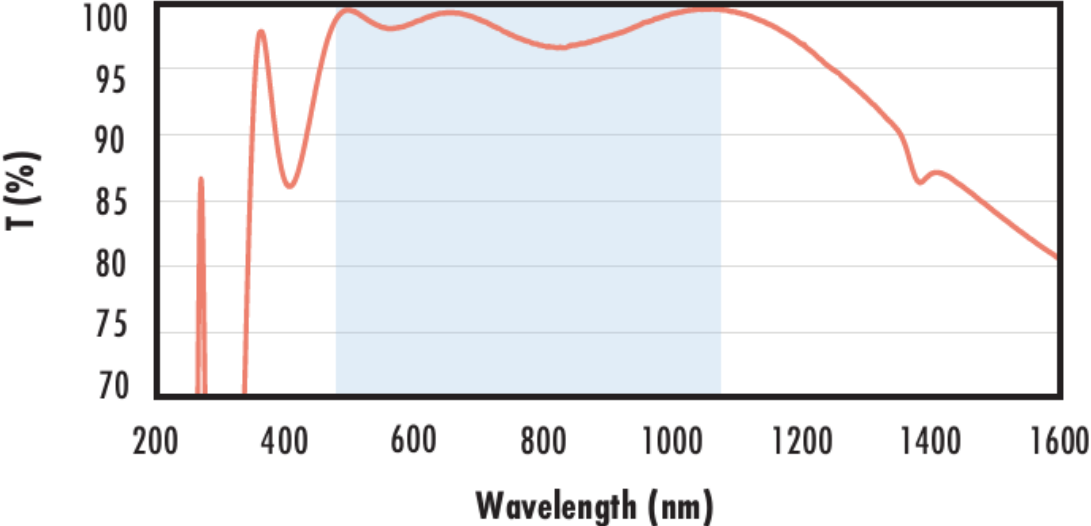
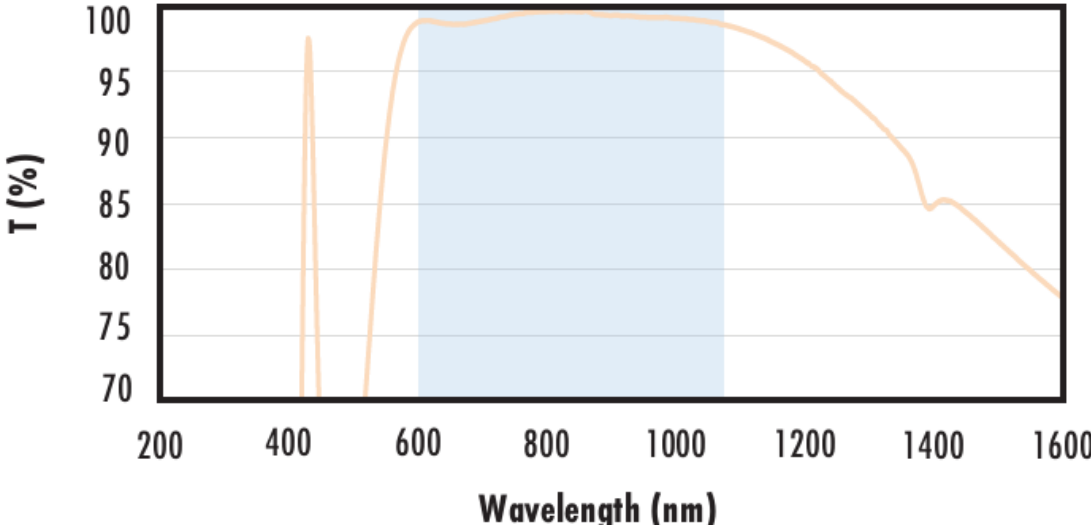
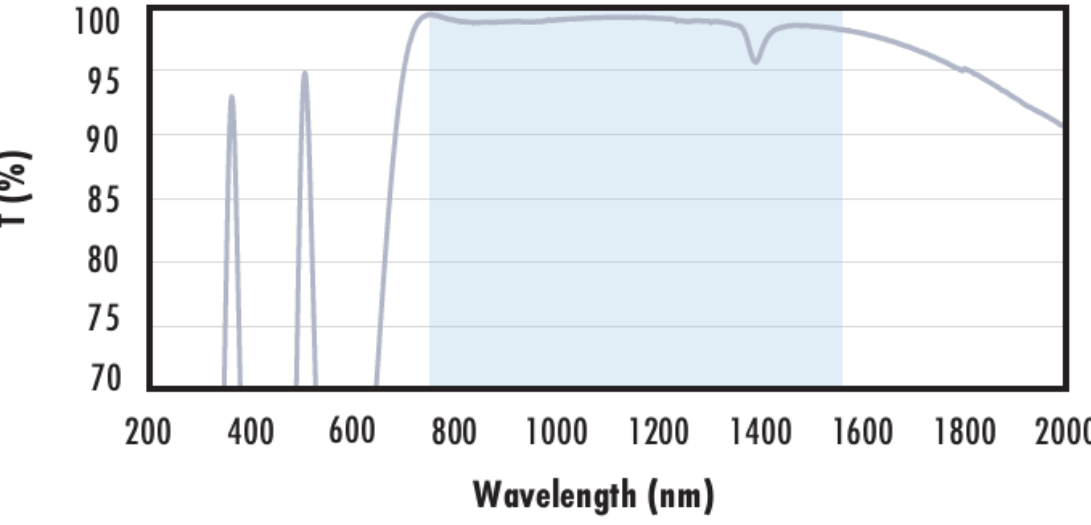
The blue shaded region indicates the coating design wavelength range, with the following specification:

$$R_{avg} \leq 0.4\% @ 425 - 675nm$$

Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)

### Fused Silica with YAG-BBAR Coating

|                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>typical transmission</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><p><math>R_{abs} \leq 0.25\% @ 532nm</math><br/><math>R_{abs} \leq 0.25\% @ 1064nm</math><br/><math>R_{avg} \leq 1.0\% @ 500 - 1100nm</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>           |
| <div><div>Fused Silica with NIR I Coating<br/>Typical Transmission</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><p><math>R_{avg} \leq 0.5\% @ 600 - 1050nm</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>                                                                                                       |
| <div><div>Fused Silica with NIR II Coating<br/>Typical Transmission</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><p><math>R_{abs} \leq 1.5\% @ 750 - 800nm</math><br/><math>R_{abs} \leq 1.0\% @ 800 - 1550nm</math><br/><math>R_{avg} \leq 0.7\% @ 750 - 1550nm</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> |

## 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.

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