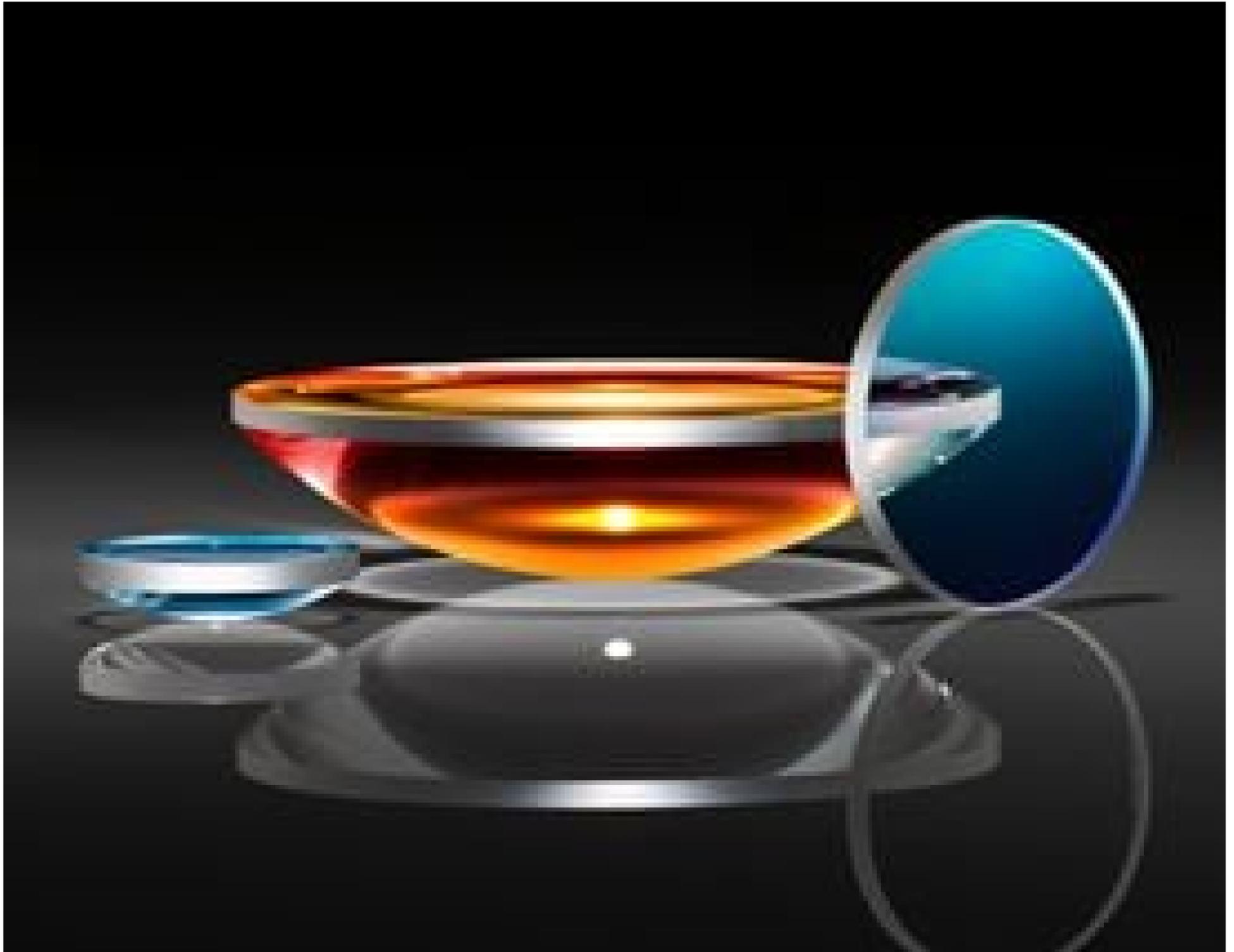
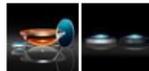


**TECHSPEC®**

**Plankonvexe Linse aus UV-Quarzglas, 15 mm D. x 60 mm BW, VIS-EXT-beschichtet**



UV Fused Silica Plano-Convex (PCX) Lenses



Produkt #18-222 **8 In Stock**

- 1 + €166<sup>00</sup>

**+ WARENKORB**

Mengenrabatte	
Stk. 1-5	€166,00 stückpreis
Stk. 6-25	€133,00 stückpreis
Stk. 26-49	€124,00 stückpreis
Need More?	<a href="#">Angebotsanfrage</a>

ⓘ Preise exklusiv der geltenden Mehrwertsteuer und Abgaben

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**Produktdetails**

Plano-Convex Lens **Typ:**

**Physikalische und mechanische Eigenschaften**

15.00 -0.025	<b>Durchmesser (mm):</b>
<1	<b>Zentrierung (Bogenminuten):</b>
3.00 ±0.10	<b>Mittendicke CT (mm):</b>
1.96	<b>Randdicke ET (mm):</b>
14	<b>Freie Apertur CA (mm):</b>
Protective as needed	<b>Fase:</b>

## Optische Eigenschaften

60.00 @ 587.6nm	<b>Effektive Brennweite EFL (mm):</b>
57.94	<b>Hintere Brennweite BFL (mm):</b>
VIS-EXT (350-700nm)	<b>Beschichtung:</b>
R <sub>avg</sub> <0.5% @ 350 - 700nm	<b>Beschichtungsspezifikation:</b>
<b>Fused Silica</b> (Corning 7980)	<b>Substrat:</b> <input type="checkbox"/>
40-20	<b>Oberflächenqualität:</b>
3 Rings	<b>Power (P-V) @ 632,8 nm:</b>
0.5 Rings	<b>Unregelmäßigkeit (P-V) @ 632,8 nm:</b>
±1	<b>Toleranz Brennweite (%):</b>
27.51	<b>Radius R<sub>1</sub> (mm):</b>
4	<b>Blende:</b>
0.13	<b>Numerische Apertur NA:</b>
350 - 700	<b>Wellenlängenbereich (nm):</b>
5 J/cm <sup>2</sup> @ 532nm, 10ns	<b>Zerstörschwelle, laut Design:</b> <input type="checkbox"/>

## Konformität mit Standards

<b>Konform</b>	<b>RoHS 2015:</b>
<b>Anzeigen</b>	<b>Konformitätszertifikat:</b>
<b>Konform</b>	<b>Reach 235:</b>

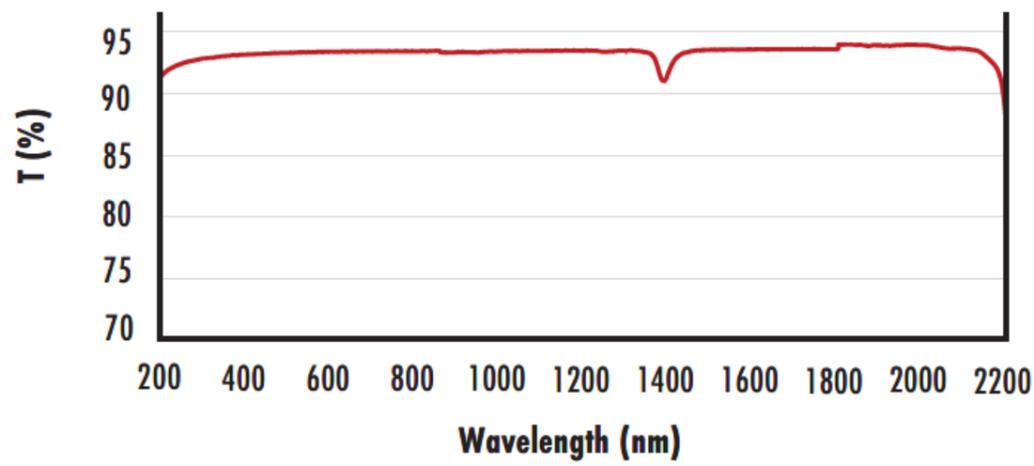
## Produktdetails

- AR-Beschichtung bietet <0,5% Reflexion pro Oberfläche für 350-700 nm
- Präzise Quarzglassubstrate
- Verschiedene Beschichtungen verfügbar: [Unbeschichtet](#), [MgF<sub>2</sub>](#), [UV-AR](#), [UV-VIS](#), [VIS-NIR](#), [VIS 0°](#), [YAG-BBAR](#), [NIR I](#) und [NIR II](#)

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

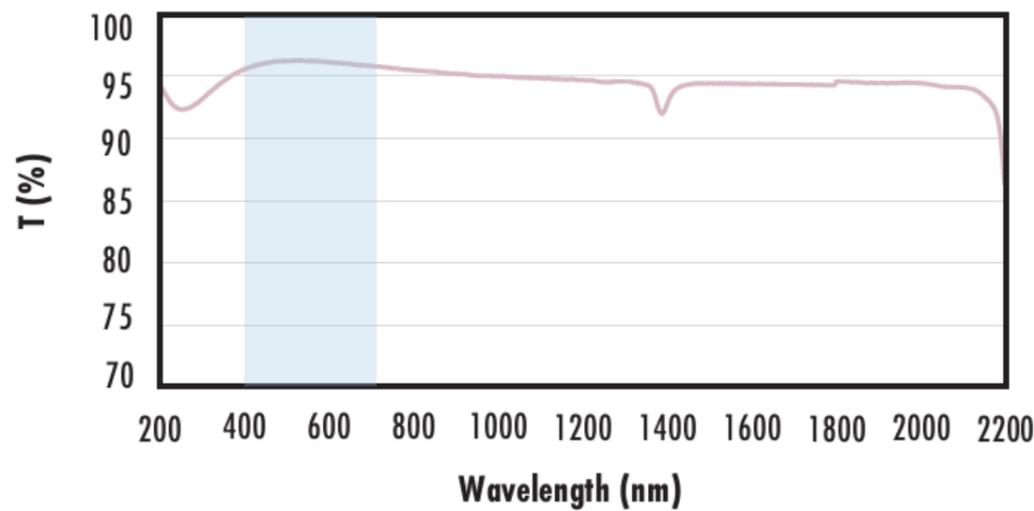




Typical transmission of a 3mm thick, uncoated fused silica window across the UV - NIR spectra.

[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.

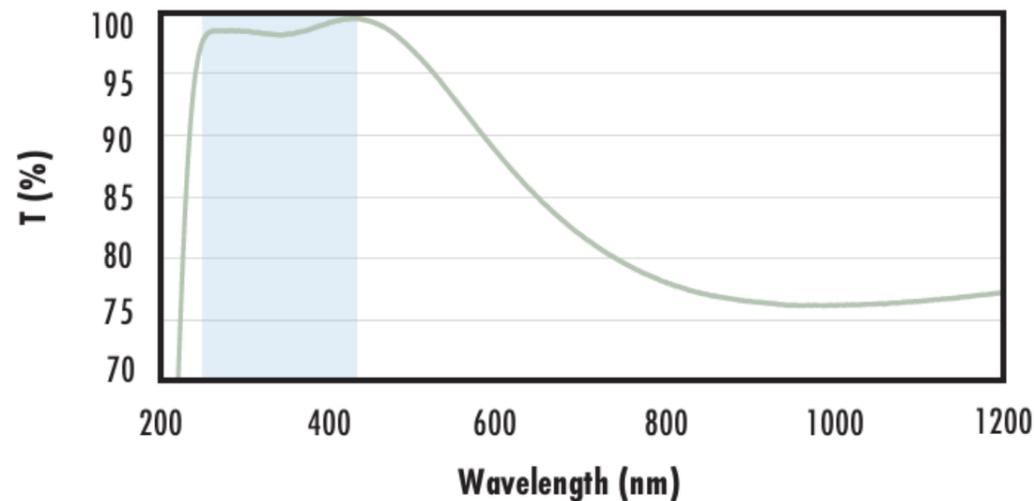
The blue shaded region indicates the coating design wavelength range, with the following specification:

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

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:

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

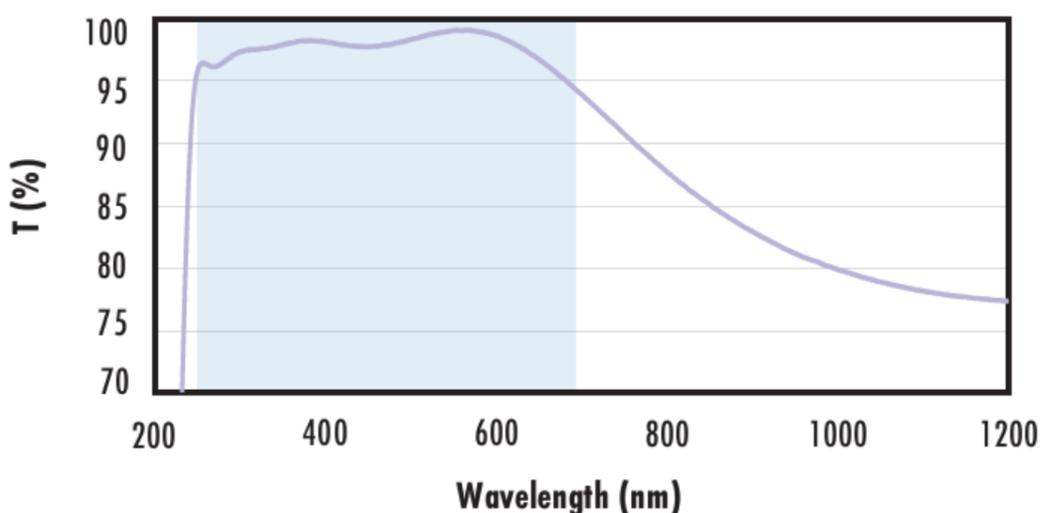
$$R_{avg} \leq 0.75\% @ 250 - 425\text{nm}$$

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

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



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

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

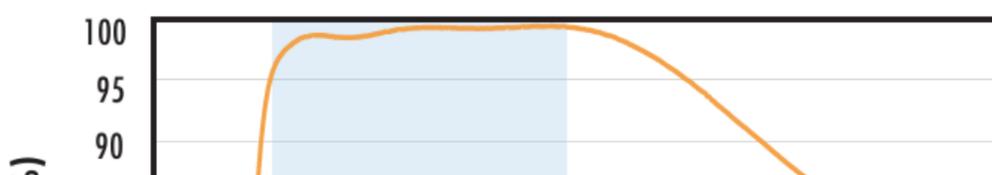
$$R_{abs} \leq 1.0\% @ 350 - 450\text{nm}$$

$$R_{avg} \leq 1.5\% @ 250 - 700\text{nm}$$

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

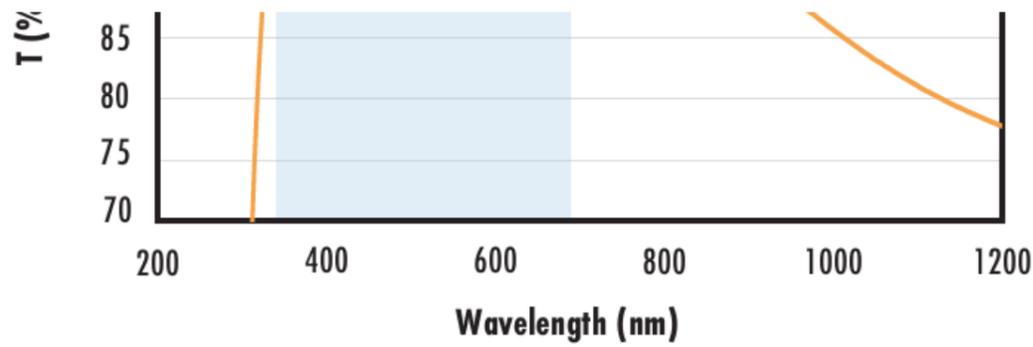
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### Fused Silica with VIS-EXT Coating Typical Transmission



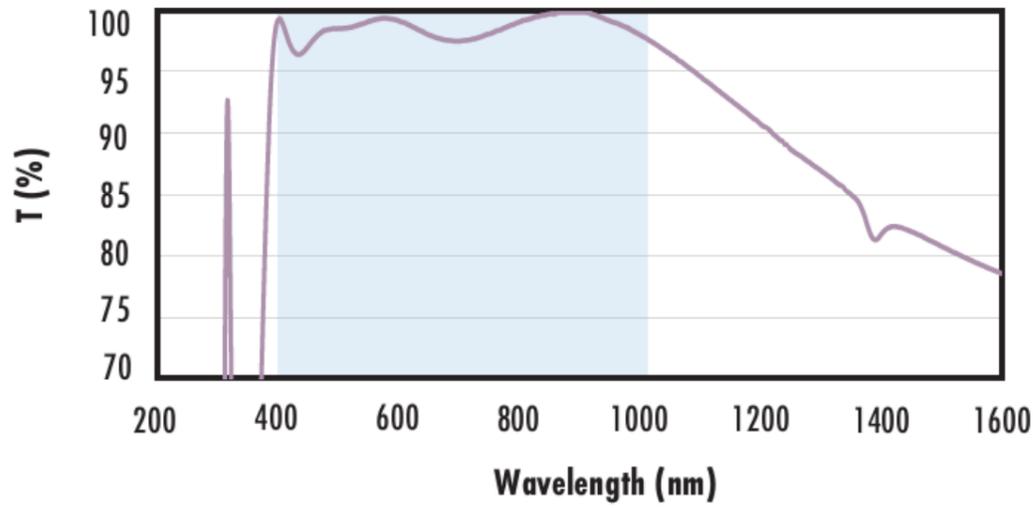
Typical transmission of a 3mm thick fused silica window with VIS-EXT (350-700nm) coating at 0° AOI.

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



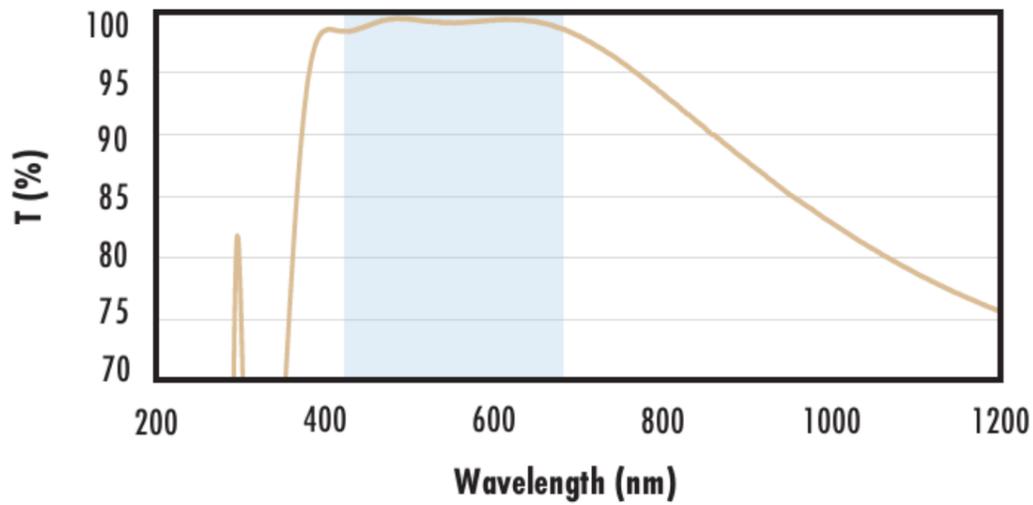
$R_{avg} \leq 0.5\%$  @ 350 - 700nm  
 Data outside this range is not guaranteed and is for reference only.  
[Click Here to Download Data](#)

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



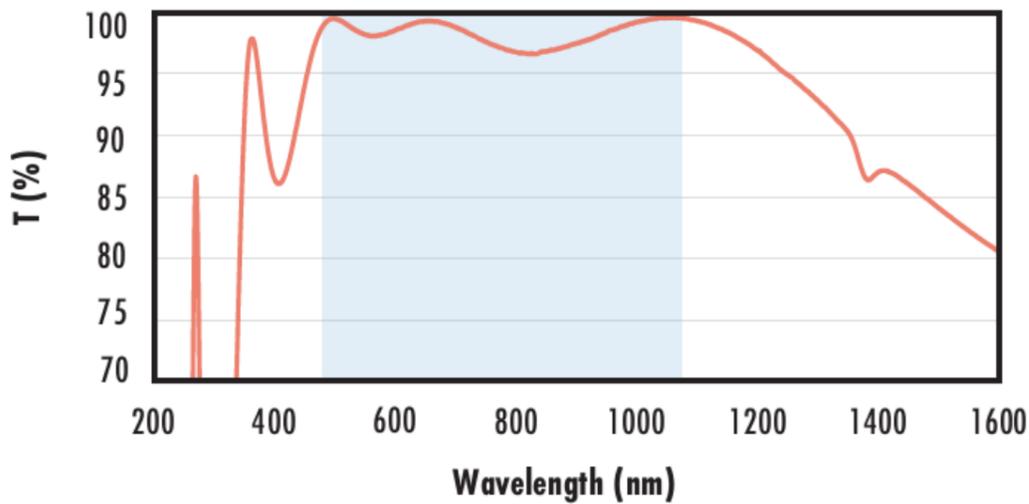
Typical transmission of a 3mm thick fused silica window with VIS-NIR (400-1000nm) coating at 0° AOI.  
 The blue shaded region indicates the coating design wavelength range, with the following specification:  
 $R_{abs} \leq 0.25\%$  @ 880nm  
 $R_{avg} \leq 1.25\%$  @ 400 - 870nm  
 $R_{avg} \leq 1.25\%$  @ 890 - 1000nm  
 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**



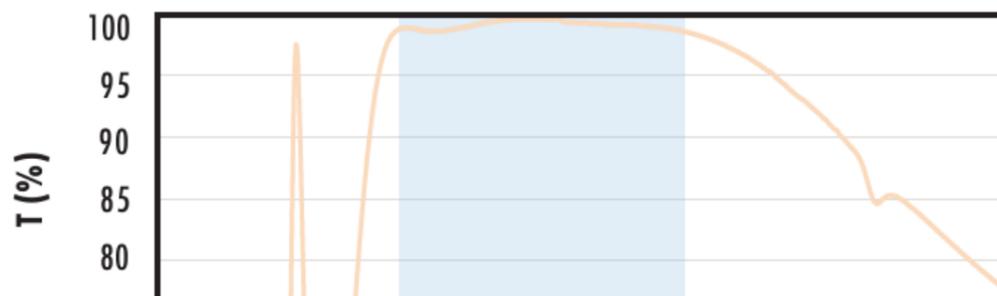
Typical transmission of a 3mm thick fused silica window with VIS 0° (425-675nm) coating at 0° AOI.  
 The blue shaded region indicates the coating design wavelength range, with the following specification:  
 $R_{avg} \leq 0.4\%$  @ 425 - 675nm  
 Data outside this range is not guaranteed and is for reference only.  
[Click Here to Download Data](#)

**Fused Silica with YAG-BBAR Coating  
 Typical Transmission**

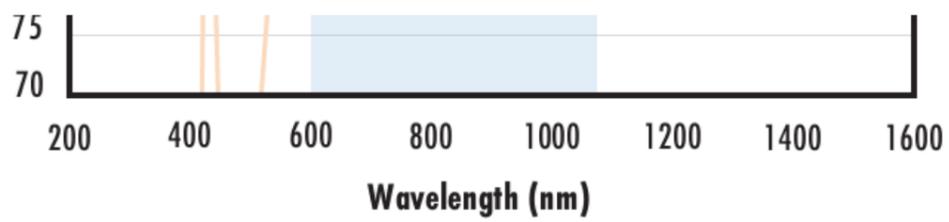


Typical transmission of a 3mm thick fused silica window with YAG-BBAR (500-1100nm) coating at 0° AOI.  
 The blue shaded region indicates the coating design wavelength range, with the following specification:  
 $R_{abs} \leq 0.25\%$  @ 532nm  
 $R_{abs} \leq 0.25\%$  @ 1064nm  
 $R_{avg} \leq 1.0\%$  @ 500 - 1100nm  
 Data outside this range is not guaranteed and is for reference only.  
[Click Here to Download Data](#)

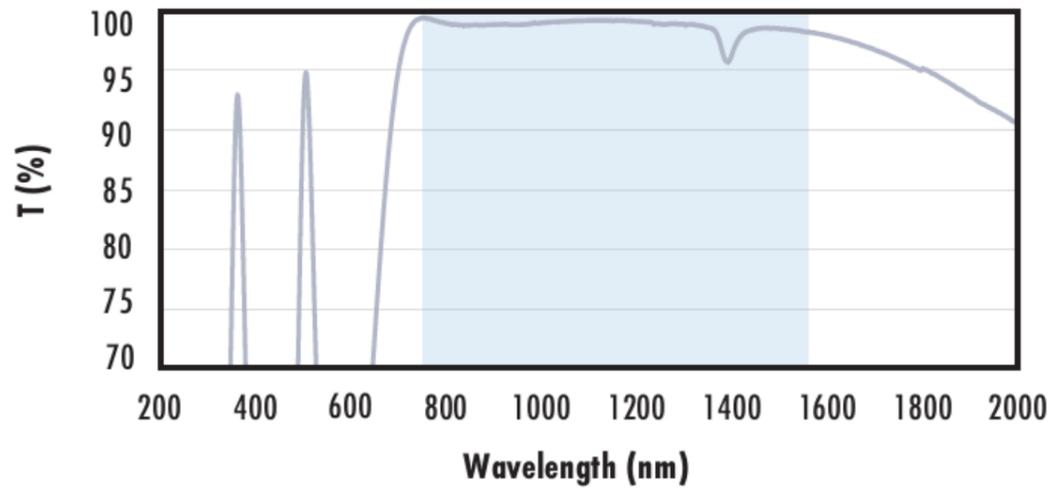
**Fused Silica with NIR I Coating  
 Typical Transmission**



Typical transmission of a 3mm thick fused silica window with NIR I (600 - 1050nm) coating at 0° AOI.  
 The blue shaded region indicates the coating design wavelength range, with the following specification:  
 $R_{avg} \leq 0.5\%$  @ 600 - 1050nm  
 Data outside this range is not guaranteed and is for reference only.  
[Click Here to Download Data](#)



### Fused Silica with NIR II Coating Typical Transmission



Typical transmission of a 3mm thick fused silica window with NIR II (750 - 1550nm) coating at 0° AOI.

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

$R_{abs} \leq 1.5\%$  @ 750 - 800nm  
 $R_{abs} \leq 1.0\%$  @ 800 - 1550nm  
 $R_{avg} \leq 0.7\%$  @ 750 - 1550nm

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

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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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