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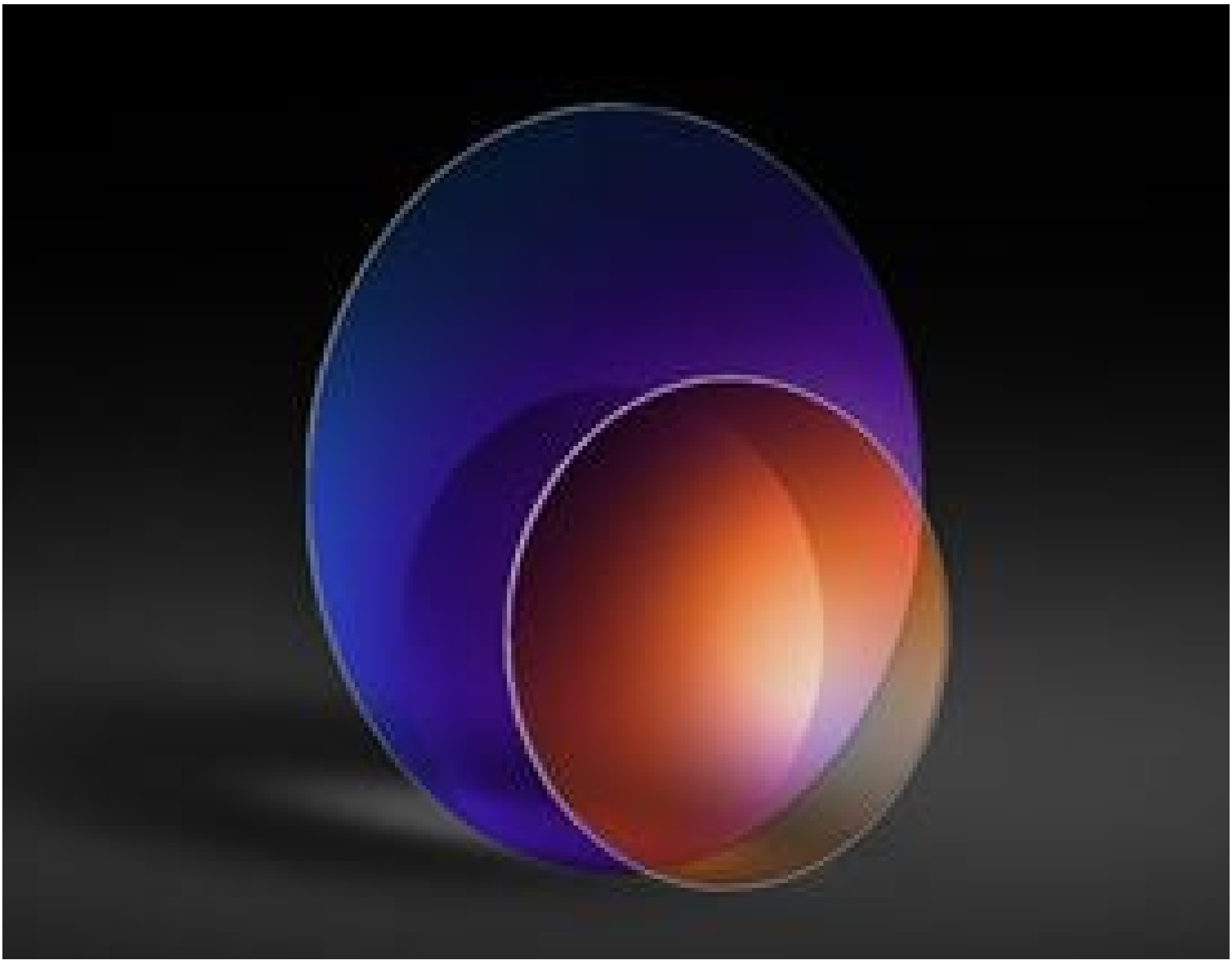
TECHSPEC® Fenêtre Ultra-Mince en Silice Fondue, Traitée VIS-NIR, 25 mm de dia.



Stock **#24-245** **5 In Stock**

- 1 + **€220**,00

AJOUTER AU PANIER

Prix sur Quantité	
Qté 1-5	**€220,00** prix unitaire
Qté 6-25	**€176,00** prix unitaire
Qté 26-49	**€165,00** prix unitaire
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Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

Caractéristiques du produit

Type:
Protective Window

Type of Window:
Glass

Propriétés physiques et mécaniques

Ouverture Utile CA (mm):
21.25

Diamètre (mm):
25.00 +0.00/-0.10

Épaisseur (mm):
0.20 ±0.025

Biseau:
Protective as needed

Bords:
Fine Ground

Parallélisme (arcsec):
<1

Rapport de Poisson:
0.16

Module d'Élasticité de Young (GPa):
73

Dureté de Knoop (kg/mm^2):
522.00

Propriétés optiques

Traitement:
VIS-NIR (400-1000nm)

Substrat:
Fused Silica (Corning 7980)

Indice de Réfraction (n_d):
1.458

Qualité de Surface:
60-40

Front d'Onde Transmis, P-V:
λ/2

Nombre d'Abbe (v_d):
64.17

Spécification du Traitement:
R_{abs} ≤0.25% @ 880nm
R_{avg} ≤1.25% @ 400 - 870nm
R_{avg} ≤1.25% @ 890 - 1000nm

Gamme de Longeur d'Onde (nm):
400 - 1000

Damage Threshold, Reference:
5 J/cm2 @ 532nm, 10ns

Propriétés des matériaux

Densité (g/cm^3):
2.20

Coéfficient d'Expansion Thermique CTE (10^{-6}/°C):
0.52 (+5 to +35°C)
0.57 (0 to +200°C)
0.48 (-100 to +200°C)

Conformité réglementaire

RoHS 2015:
Conforme

Certificate of Conformance:
Visionner

Reach 235:
Conforme

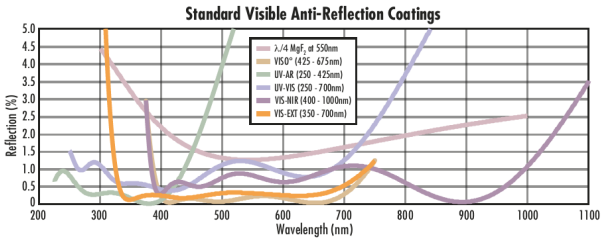
Description produit

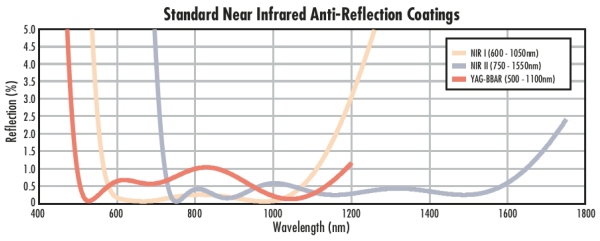
- Épaisseur ultra-fine de 0,20mm
- Substrats de silice fondue UV
- Extrêmement légères

Les Fenêtres Ultra-Minces en Silice Fondue TECHSPEC® offrent les avantages de la silice fondue, notamment une faible dilatation thermique, une excellente résistance aux produits chimiques et une transmission des UV, avec une épaisseur inférieure à 1/5e de celle de nos fenêtres en silice fondue standard. Contrairement aux verres de couverture traditionnels, ces fenêtres ont des surfaces polies pour assurer une distorsion constante du front d'onde transmis, ce qui les rend avantageuses pour les applications OEM. Leurs conceptions extrêmement fines les rendent idéales pour les applications sensibles au poids et à la taille, en particulier celles qui nécessitent une transmission à large bande de l'UV au NIR. Les Fenêtres Ultra-Minces en Silice Fondue TECHSPEC sont idéales pour les appareils médicaux portatifs, la technologie portable et les lampes UV portables.

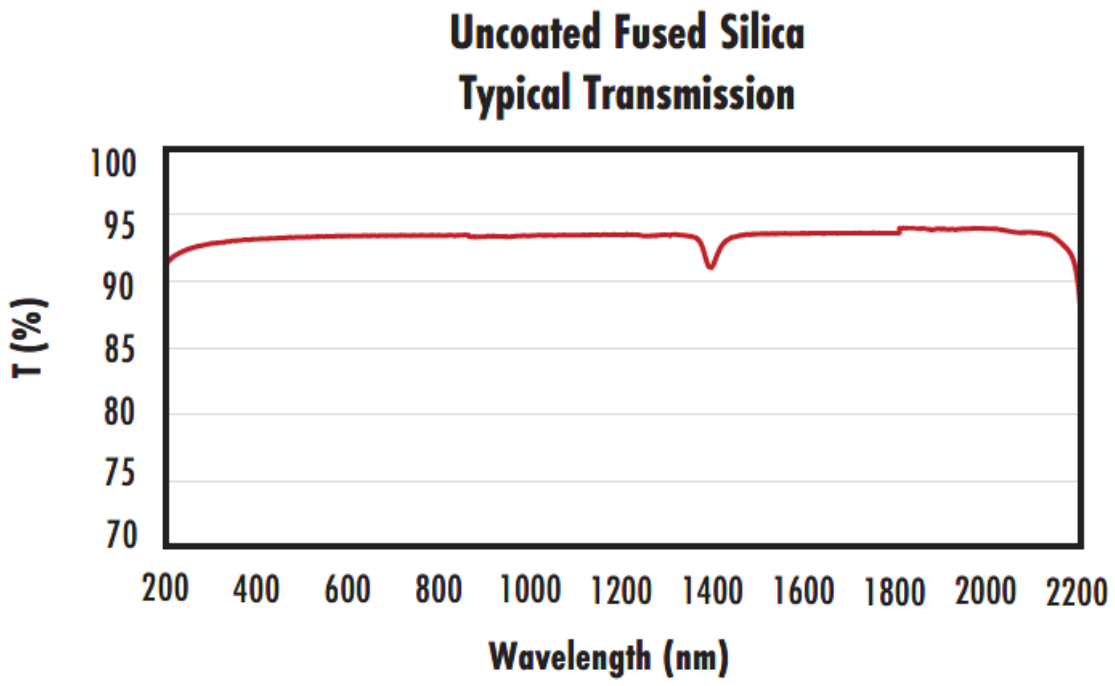
Remarque : Les Fenêtres Ultra-Minces en Silice Fondue TECHSPEC sont très fragiles. Manipulez ces fenêtres avec précaution.

Informations techniques





FUSED SILICA



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

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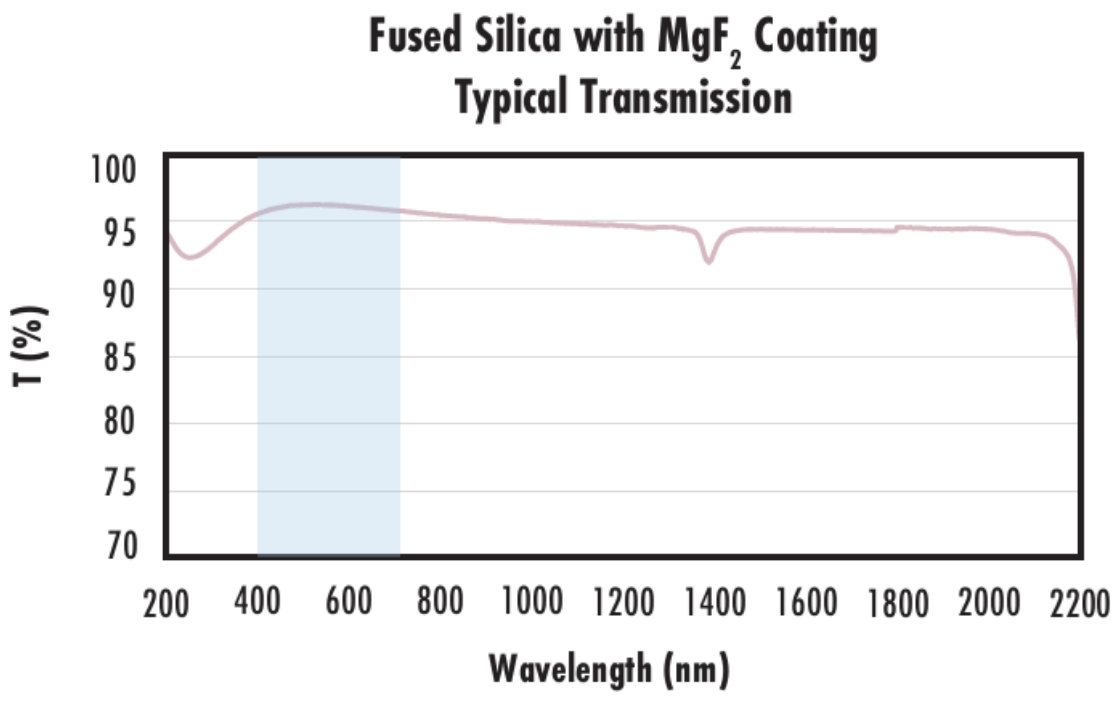

Typical transmission of a 3mm thick fused silica window with MgF2 (400-700nm) coating at 0° AOI.

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

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

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

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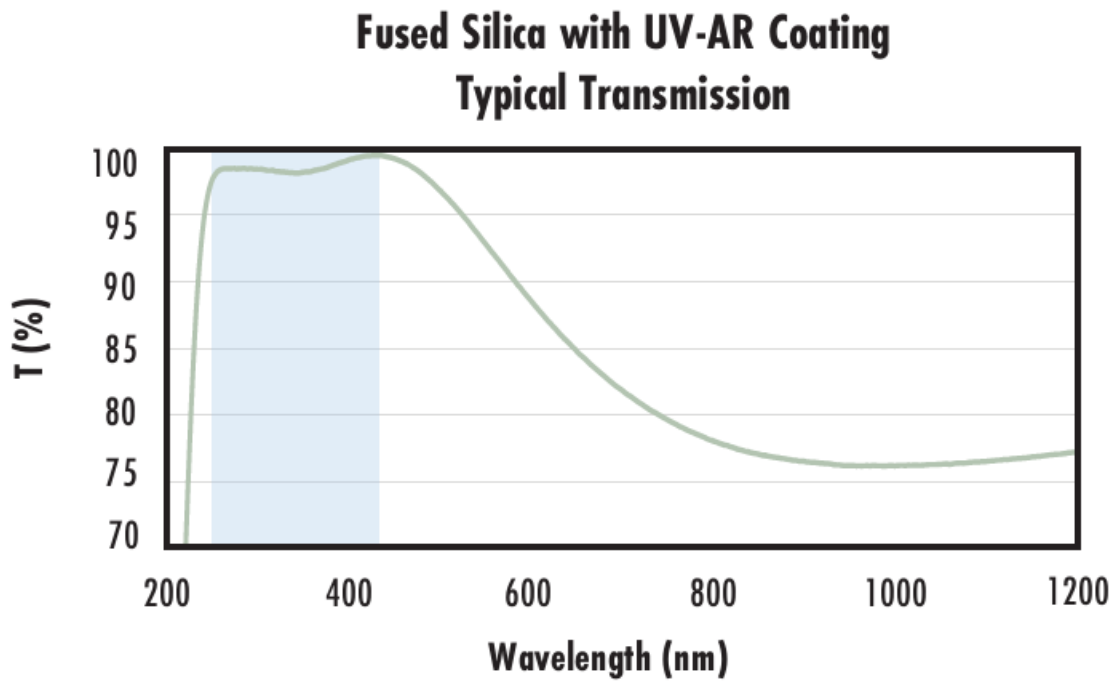

Typical transmission of a 3mm thick fused silica window with UV-AR (250-425nm) coating at 0° AOI.

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

$R_{abs} \leq 1.0\%$ @ 250 - 425nm
$R_{avg} \leq 0.75\%$ @ 250 - 425nm
$R_{avg} \leq 0.5\%$ @ 370 - 420nm

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

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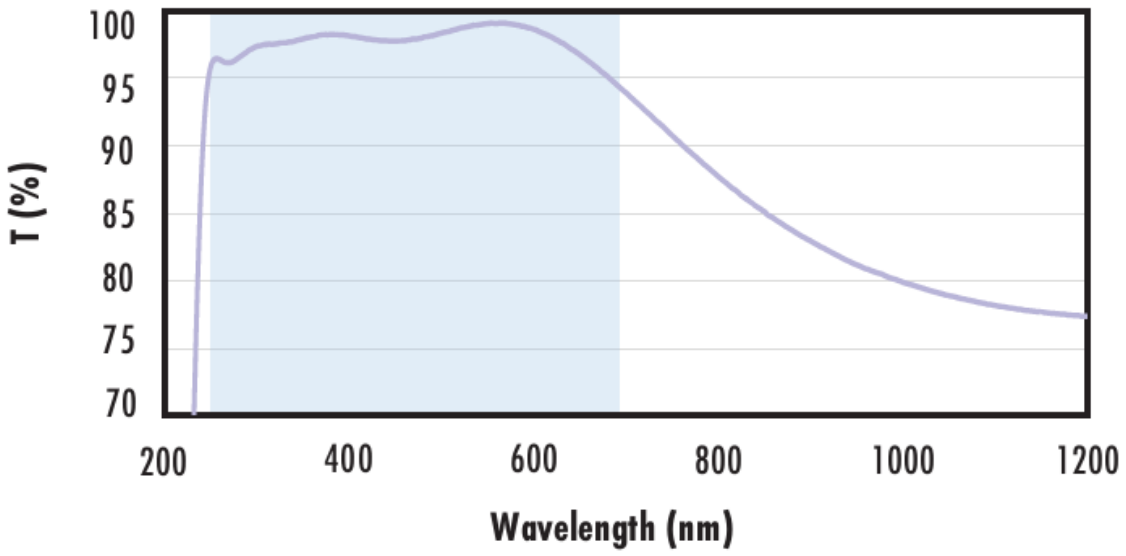

Typical transmission of a 3mm thick fused silica window with UV-VIS (250-700nm) coating at 0° AOI.

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

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

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

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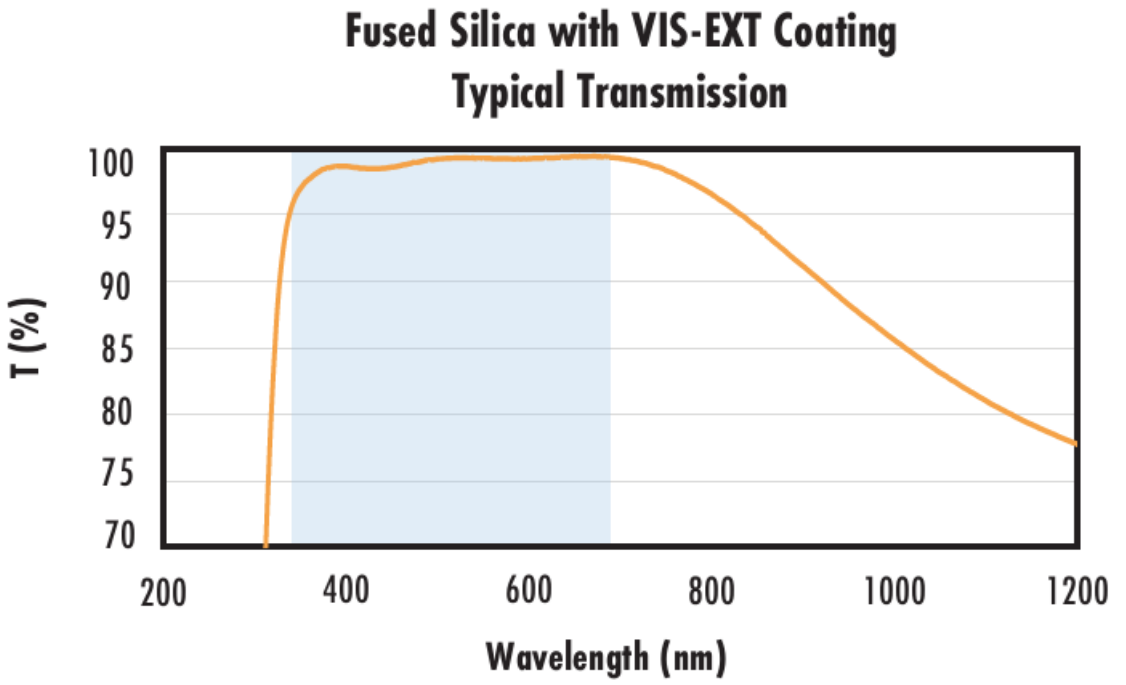

Typical transmission of a 3mm thick fused silica window with VIS-EXT (350-700nm) coating at 0° AOI.

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

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

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

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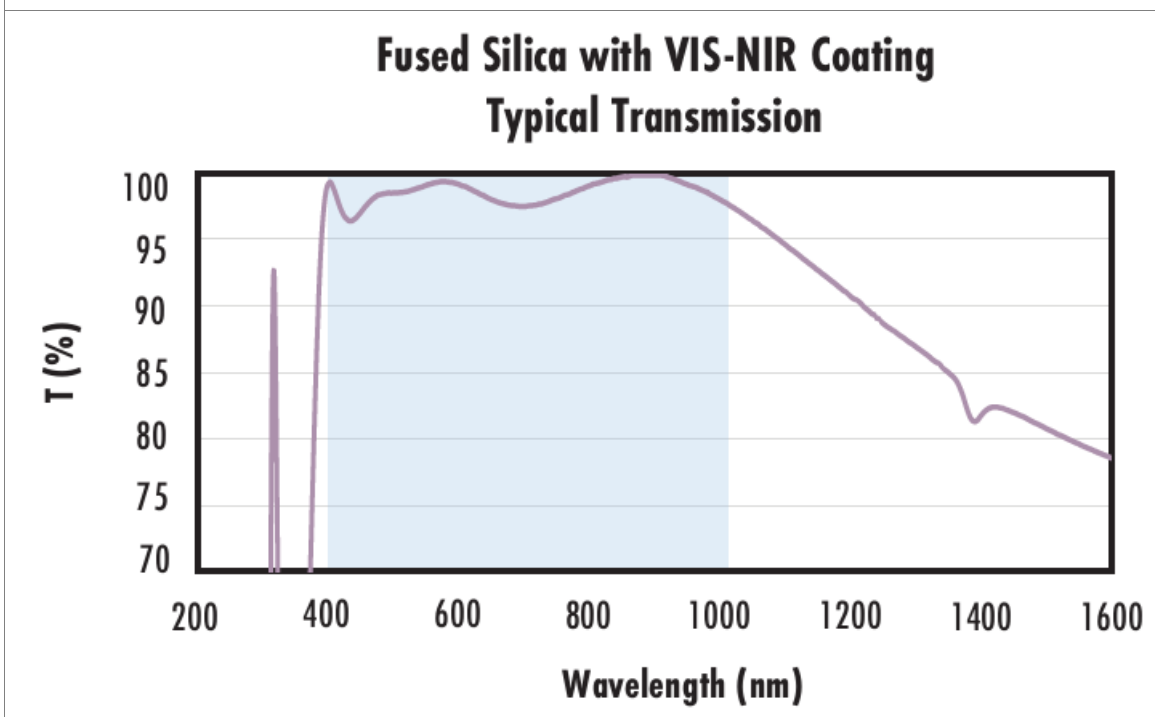

Typical transmission of a 3mm thick fused silica window with VIS-NIR (400-1000nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelengh 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.

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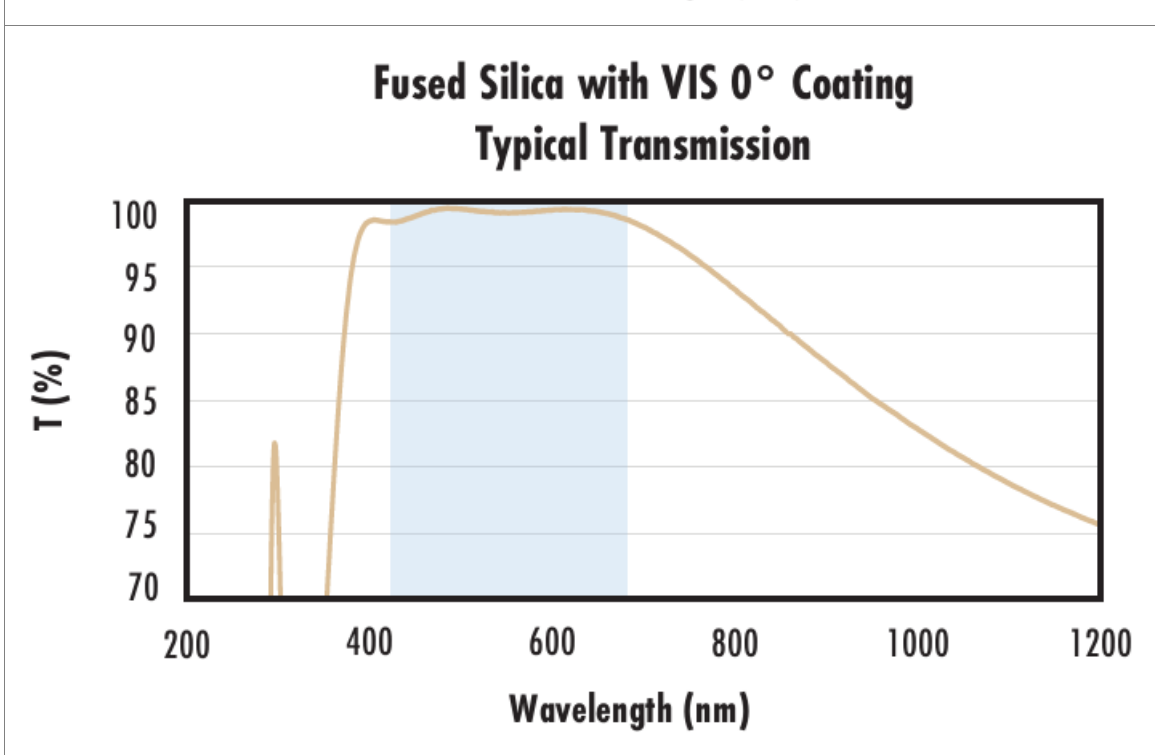

Typical transmission of a 3mm thick fused silica window with VIS 0° (425-675nm) coating at 0° AOI.

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

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

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

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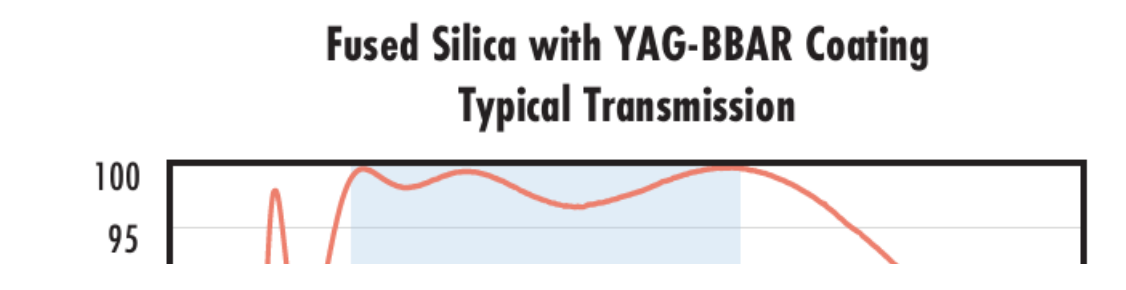
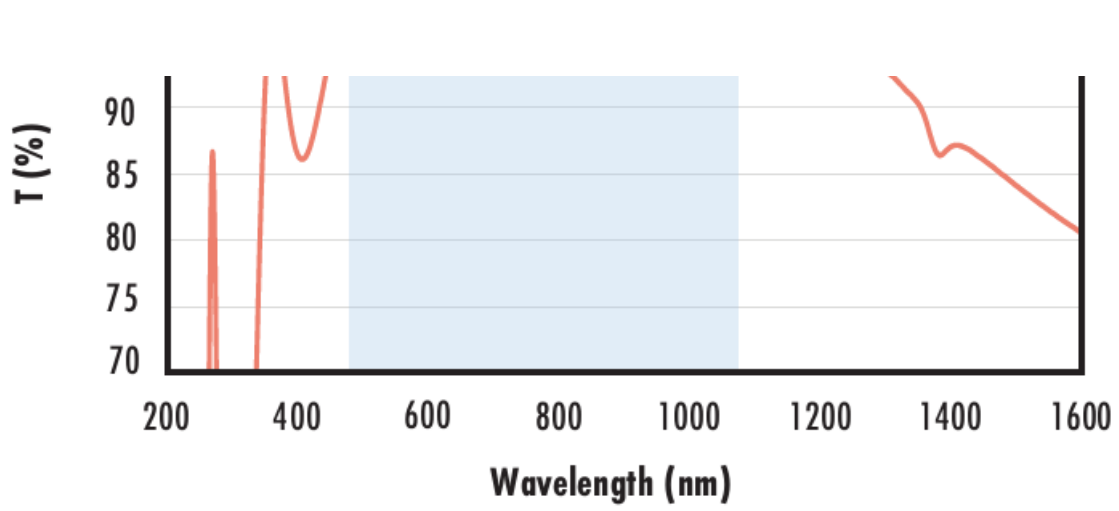


Typical transmission of a 3mm thick fused silica window with YAG-BBAR (500-1100nm) coating at 0° AOI.



The blue shaded region indicates the coating design wavelengh 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.

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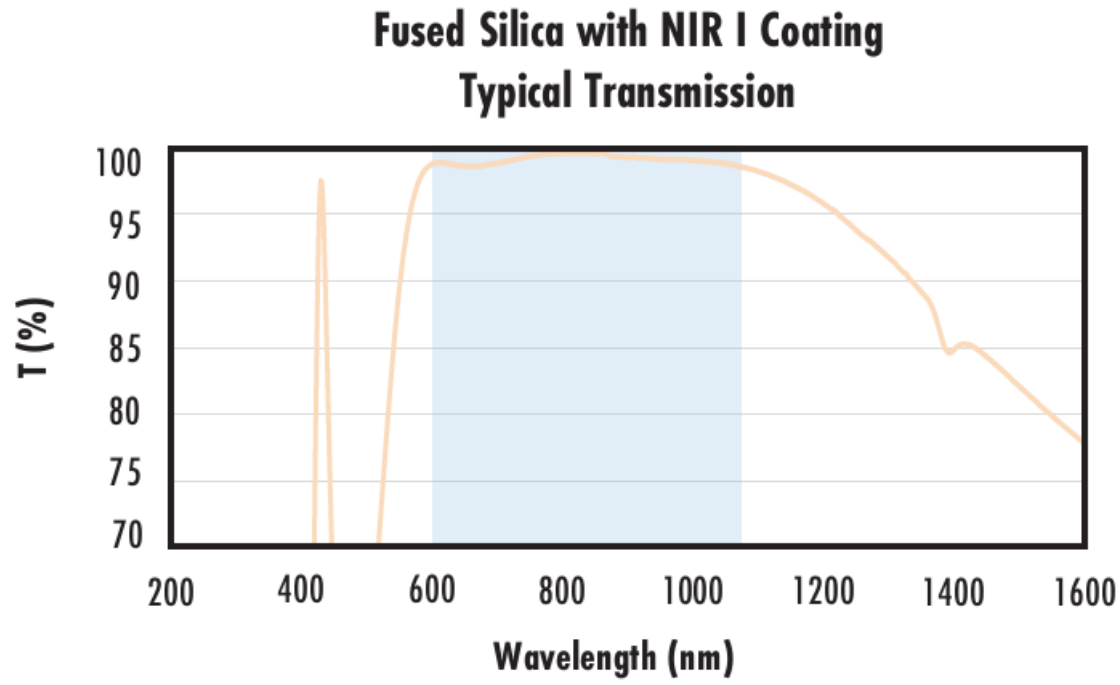

Typical transmission of a 3mm thick fused silica window with NIR I (600 - 1050nm) coating at 0° AOI.

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

$R_{avg} \leq 0.5\%$ @ 600 - 1050nm

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

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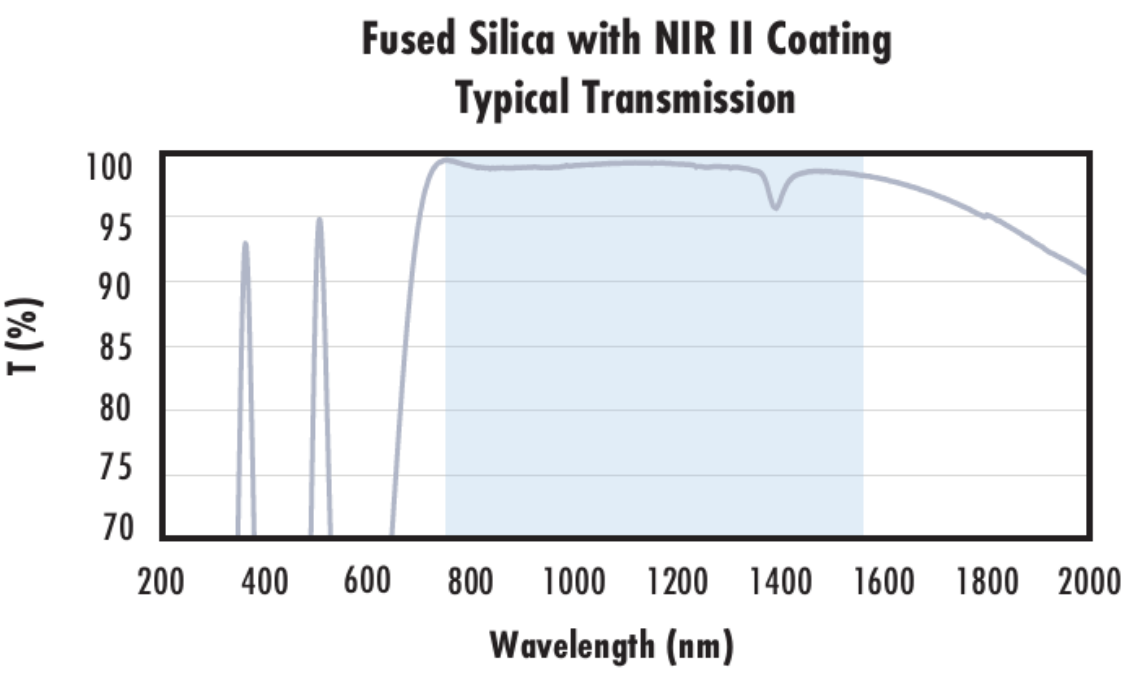

Typical transmission of a 3mm thick fused silica window with NIR II (750 - 1550nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelengh 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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Coating Curves

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