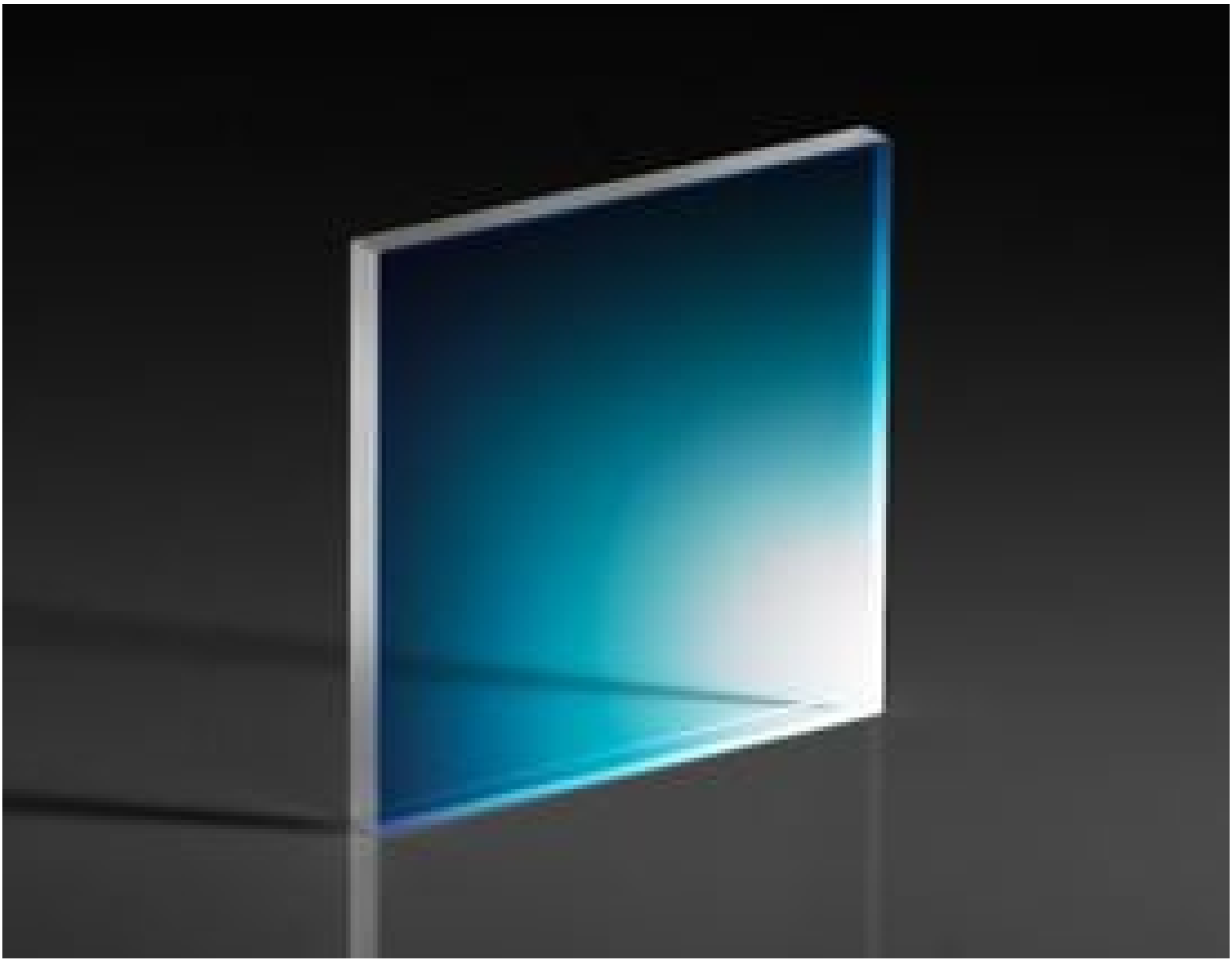
TECHSPEC® Fenêtre λ/10 en Silice Fondue Traitée NIR II, 25 mm x 25 mm, 3 mm d'épaisseur



Stock **#24-308** 3-4 JOURS

- 1 + €164.00

AJOUTER AU PANIER

Qté 1-5
€164,00

Qté 6+
€130,00

Prix sur Quantité
Demande de Devis

Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

SPÉCIFICATIONS

Caractéristiques du produit

Type:
Protective Window

Propriétés physiques et mécaniques

Biseau:
Protective as needed

Ouverture Utile (%):
90

Ouverture Utile CA (mm):
22.50 x 22.50

Dimensions (mm):
25.00 x 25.00 +0.00/-0.20

Épaisseur (mm):
3.00 ±0.10

Bords:
Fine Ground

Dureté de Knoop (kg/mm^2):
522

Parallélisme (arcsec):
<5

Rapport de Poisson:
0.16

Module d'Élasticité de Young (GPa):
73

Propriétés optiques

Nombre d'Abbe (v_d):
67.8

Traitement:
NIR II (750-1550nm)

Spécification du Traitement:
R_{abs} ≤1.5% @ 750 - 800nm
R_{abs} ≤1.0% @ 800 - 1550nm
R_{avg} ≤0.7% @ 750 - 1550nm

Indice de Réfraction (n_d):
1.458

Substrat:
Fused Silica Corning 7980

Qualité de Surface:
20-10

Front d'Onde Transmis, P-V:
λ/10

Gamme de Longeur d'Onde (nm):
750 - 1550

Damage Threshold, By Design:
8 J/cm^2 @ 1064nm, 10ns

Propriétés des matériaux

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)

Densité (g/cm^3):
2.20

Conformité réglementaire

RoHS 2015:
Conforme

Certificate of Conformance:
Visionner

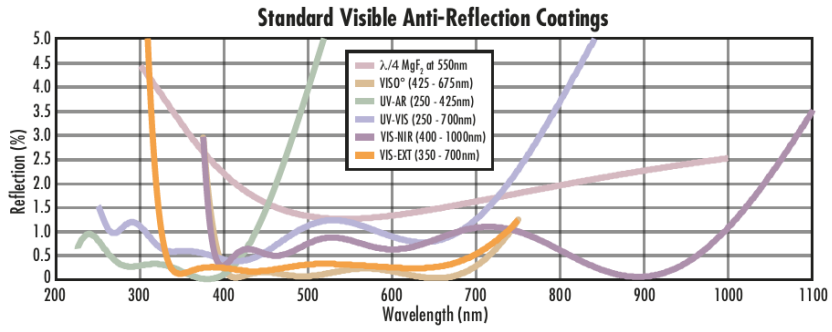
Reach 235:
Conforme

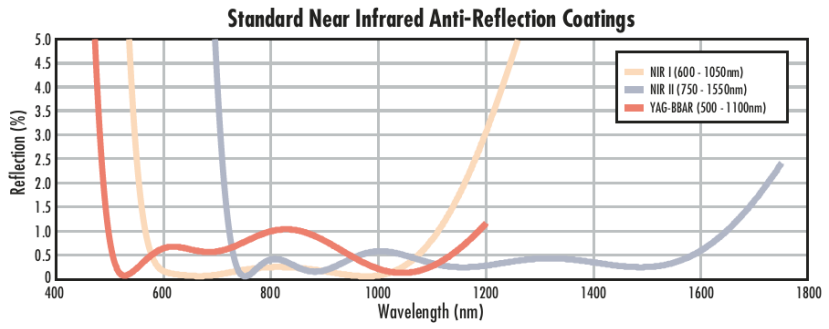
DESCRIPTION PRODUIT

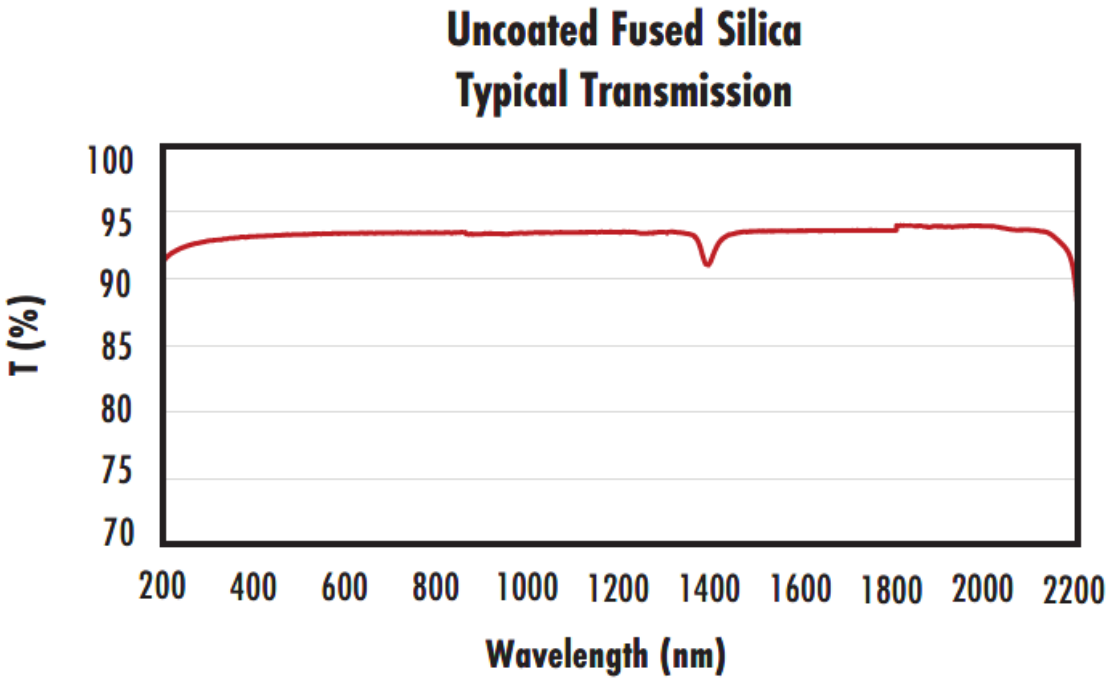
- Versions traitées antireflets UV-VIS et UV disponibles
- Distorsion du front d'onde transmis λ/10
- Dimensions allant de 5 à 150 mm de diamètre
- Fenêtres en Silice Fondue 1λ ou λ/4 également disponibles

Nos Fenêtres λ/10 en Silice Fondue UV TECHSPEC® se caractérisent par un parallélisme et une qualité de surface indice laser. Par ailleurs, ces fenêtres limiteront la distorsion du front d'onde transmis à λ/10. Les caractéristiques de transmission supérieures, les excellentes propriétés thermiques et les spécifications de fabrication haute tolérance font de ces fenêtres un excellent choix pour les applications plus exigeantes. Les Fenêtres λ/10 en Silice Fondue UV TECHSPEC sont disponibles dans des tailles allant de 5 à 150 mm de diamètre. Ces fenêtres sont offertes sans traitement ou avec des traitements anti-reflets optimisés pour le spectre UV ou visible.

INFORMATIONS TECHNIQUES







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

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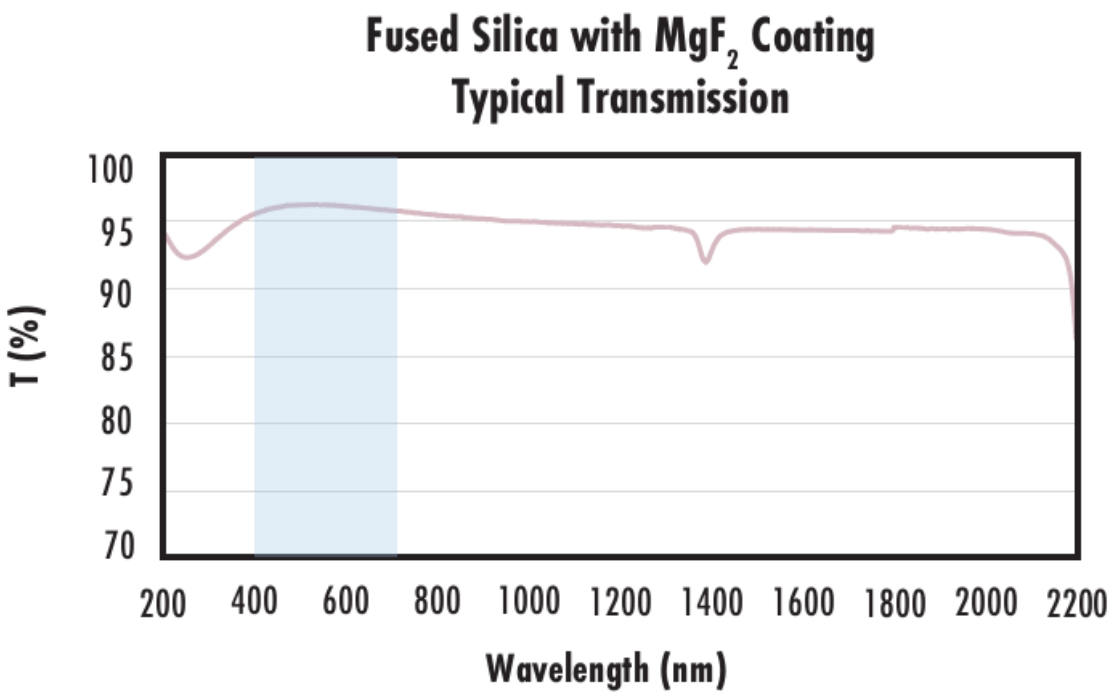

Typical transmission of a 3mm thick fused silica window with MgF2 (400-700nm) coating at 0° AOI.

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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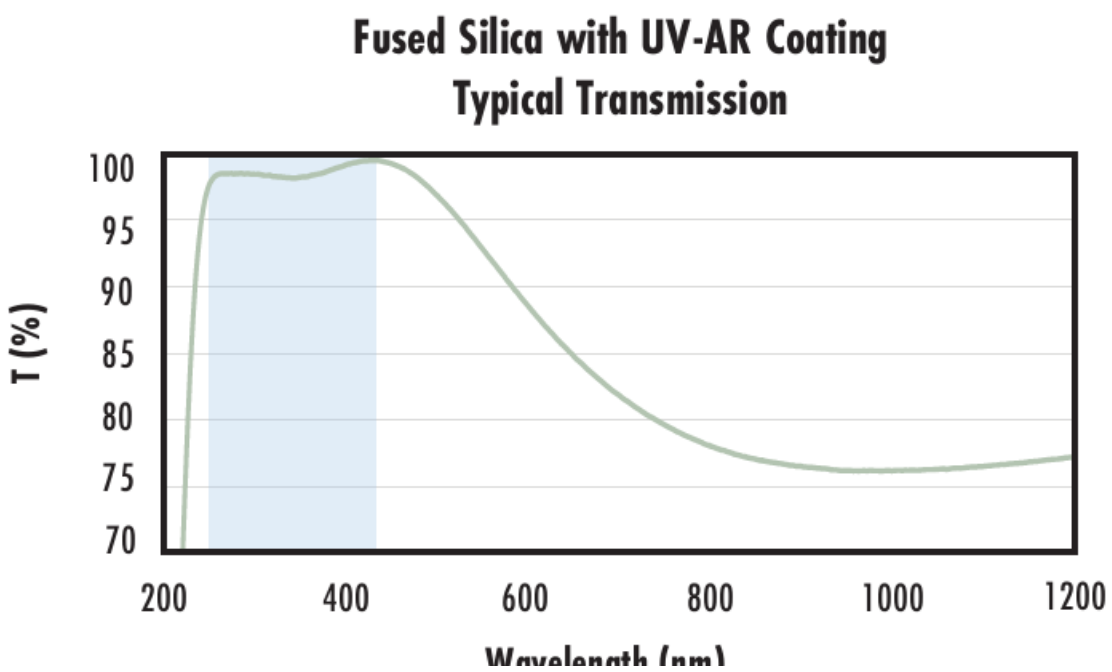

Typical transmission of a 3mm thick fused silica window with UV-AR (250-425nm) coating at 0° AOI.

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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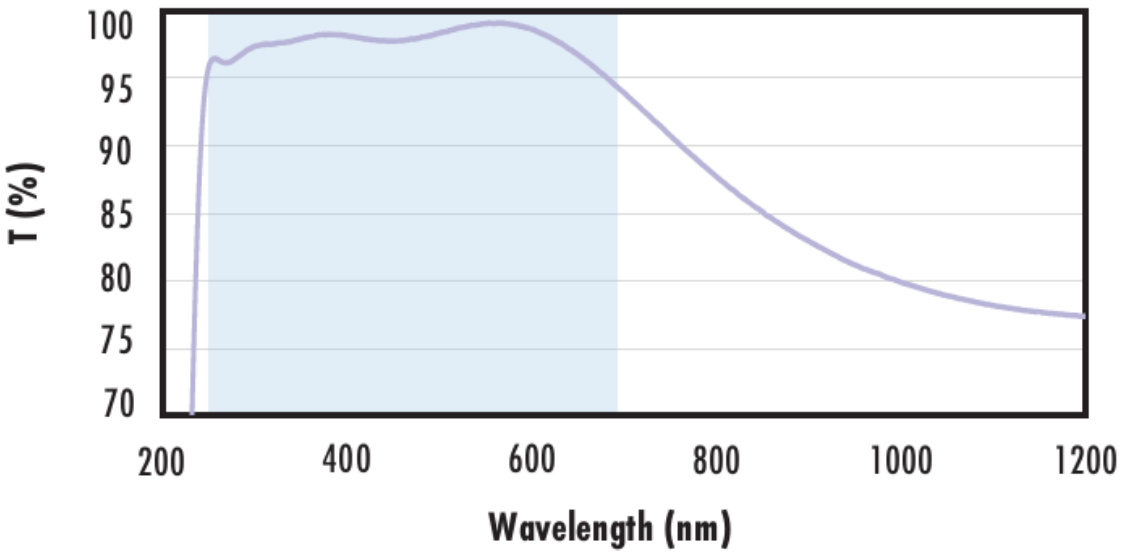

Typical transmission of a 3mm thick fused silica window with UV-VIS (250-700nm) coating at 0° AOI.

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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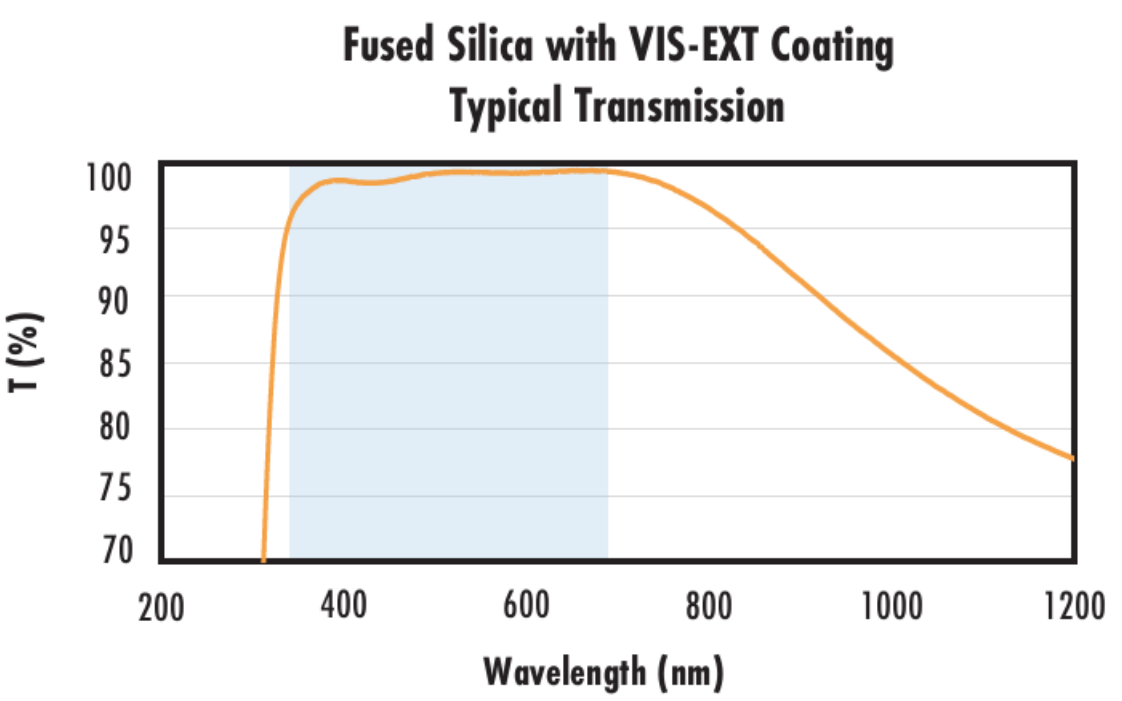

Typical transmission of a 3mm thick fused silica window with VIS-EXT (350-700nm) coating at 0° AOI.

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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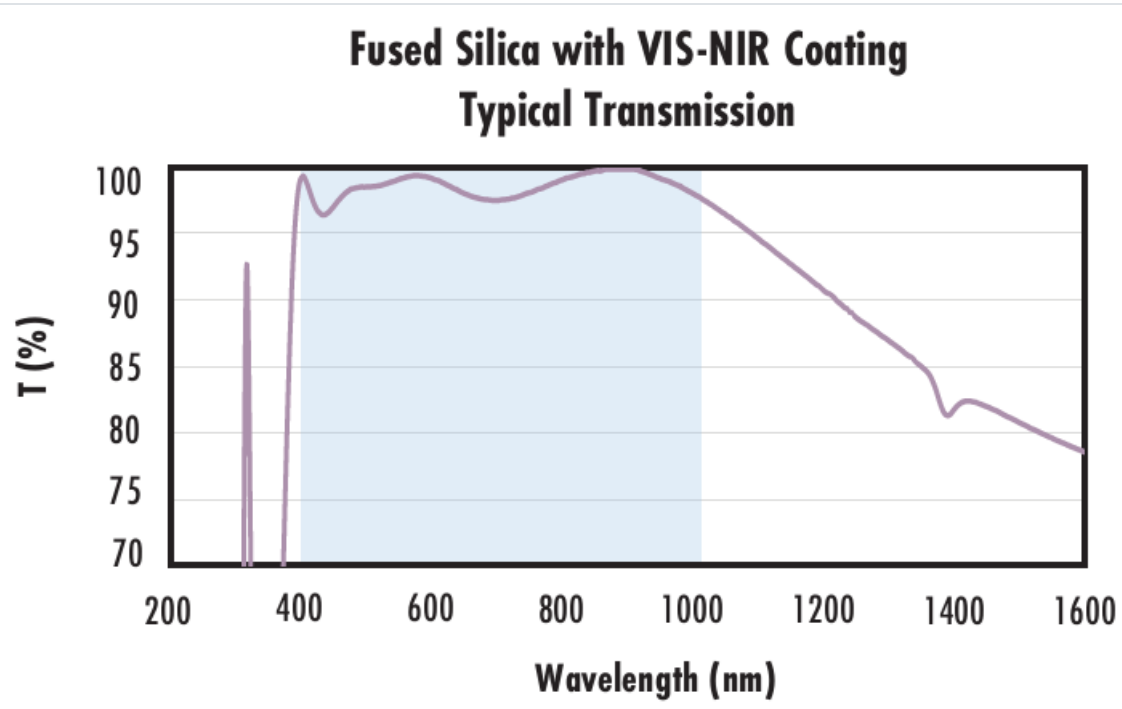

Typical transmission of a 3mm thick fused silica window with VIS-NIR (400-1000nm) coating at 0° AOI.

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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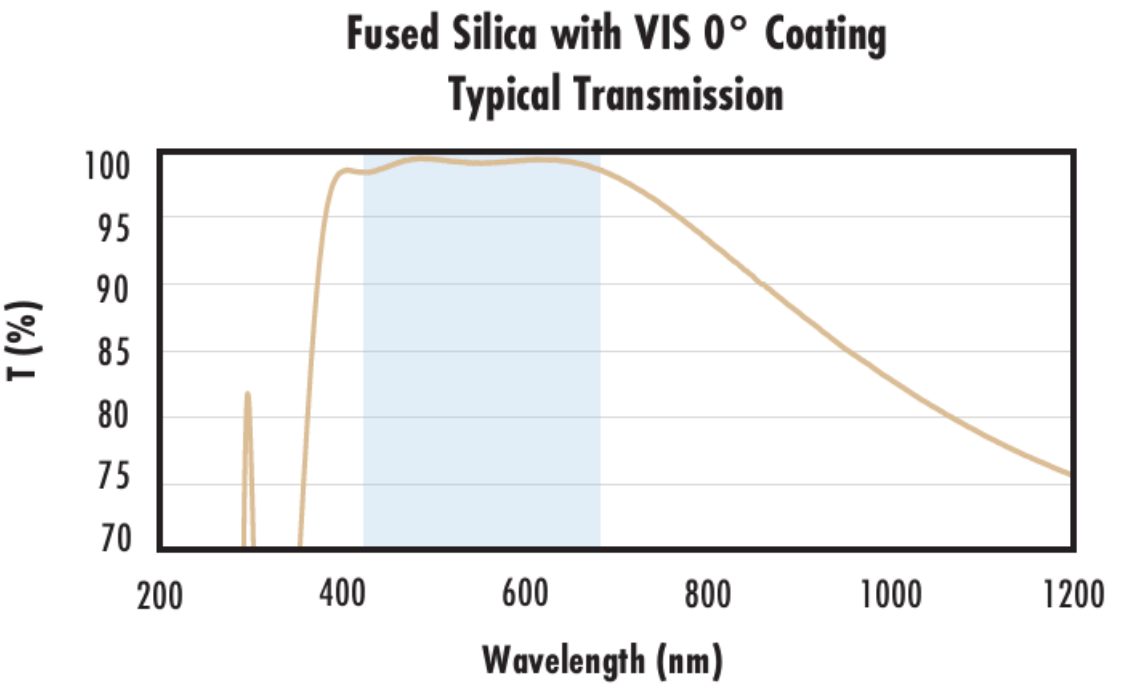

Typical transmission of a 3mm thick fused silica window with VIS 0° (425-675nm) coating at 0° AOI.

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

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

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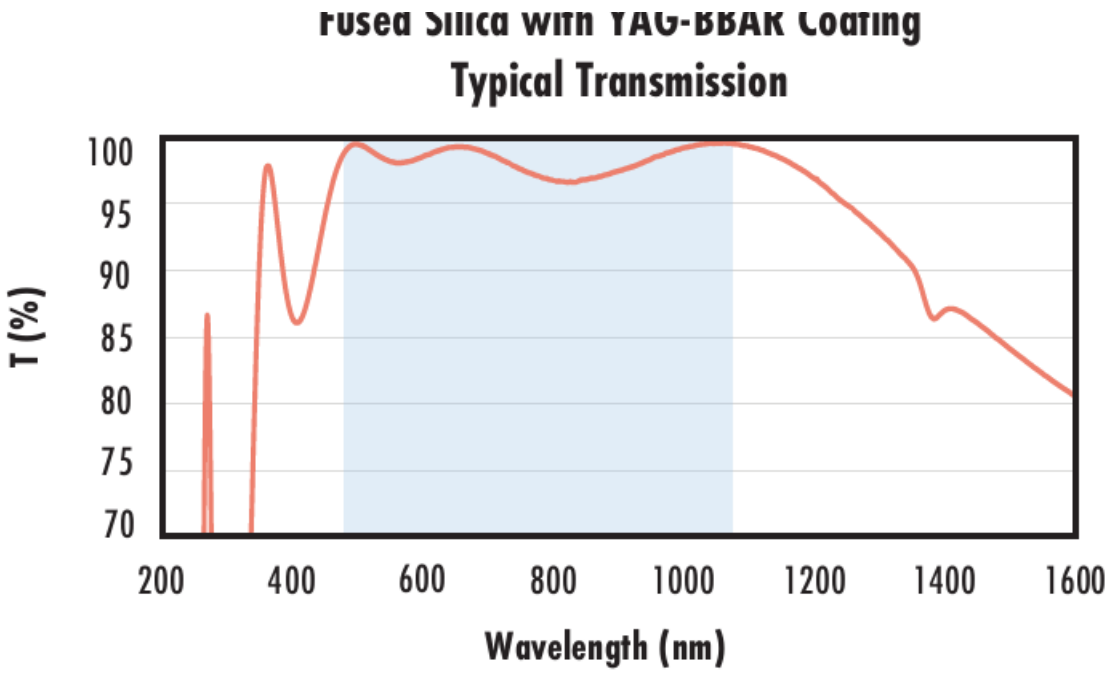

Typical transmission of a 3mm thick fused silica window with YAG-BBAR (500-1100nm) coating at 0° AOI.

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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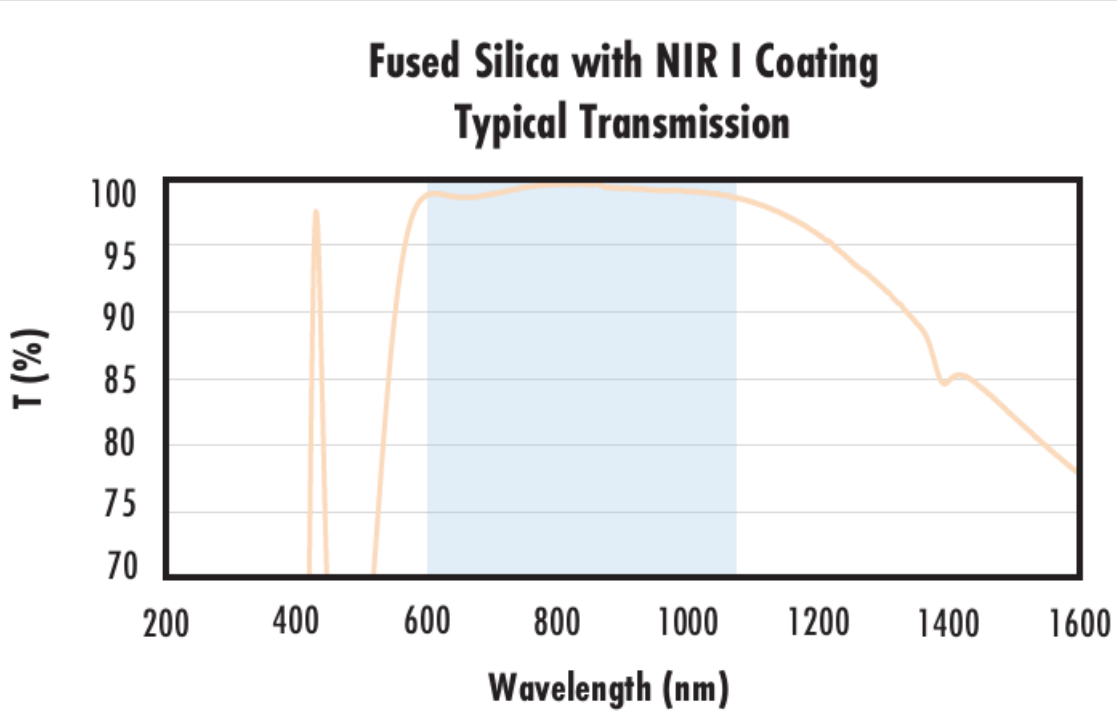

Typical transmission of a 3mm thick fused silica window with NIR I (600 - 1050nm) coating at 0° AOI.

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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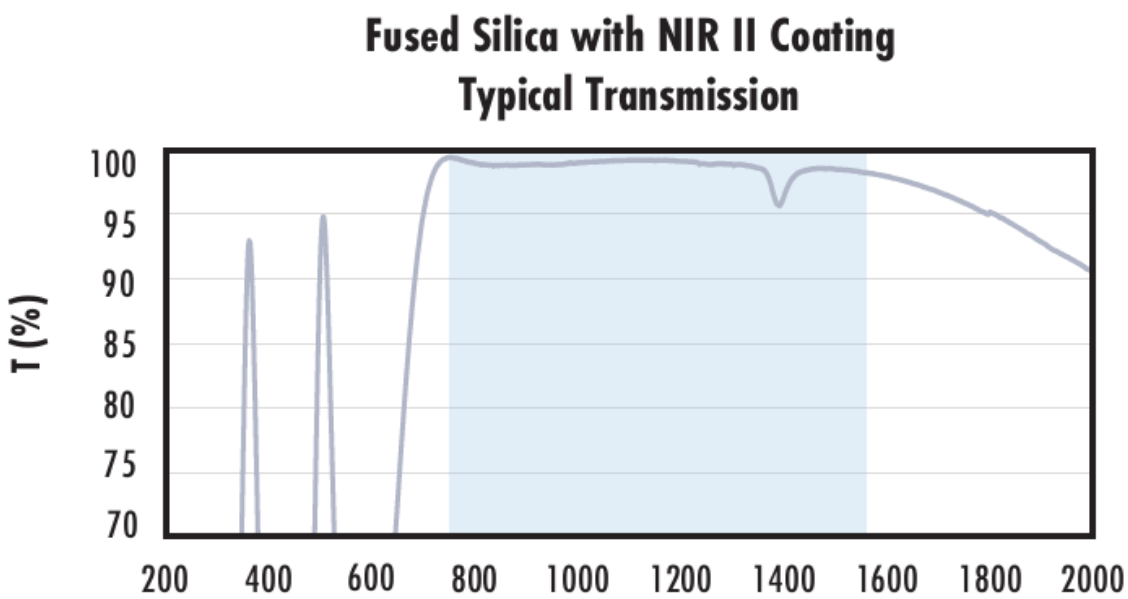

Typical transmission of a 3mm thick fused silica window with NIR II (750 - 1550nm) coating at 0° AOI.

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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