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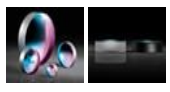
TECHSPEC® Lentille Plan-Concave UV Traitée UV-AR, 25,0 mm de dia. x -200 mm FL

UV Fused Silica Plano-Concave (PCV) Lenses



Stock **#71-106** **5 In Stock**

D'autres traitements

- 1 + €164.00

AJOUTER AU PANIER

Prix sur Quantité	
Qté 1-5	**€164,00** prix unitaire
Qté 6-25	**€132,00** prix unitaire
Qté 26-49	**€123,00** prix unitaire
Need More?	Demande de Devis

Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

Caractéristiques du produit

Type:

Plano-Concave Lens

Remarque:

Max. Flat Annulus is 0.3mm

Propriétés physiques et mécaniques

Diamètre (mm):
25.00 +0.0/-0.025

Épaisseur Centrale CT (mm):
2.50 ±0.10

Centrage (arcmin):
<1

Ouverture Utile CA (mm):
24.00

Épaisseur au Bord ET (mm):
3.32

Propriétés optiques

Distance Focale EFL (mm):
-200.00

Substrat:
Fused Silica (Corning 7980)

f/#:
8.00

Ouverture Numérique NA:
0.06

Traitement:
UV-VIS (250-700nm)

Gamme de Longeur d'Onde (nm):
250 - 700

Distance Focale Arrière BFL (mm):
-201.71

Spécification du Traitement:
R_{abs} ≤1.0% @ 350 - 450nm
R_{avg} ≤1.5% @ 250 - 700nm

Longueur d'Onde à la Focale Donnée (nm):
587.6 ±1

Rayon R_1 (mm):
91.69

Qualité de Surface:
40-20

Power (P-V) @ 632.8nm:
1.5λ

Irregularity (P-V) @ 632.8nm:
λ/4

Conformité réglementaire

Certificate of Conformance:
Visionner

Besoin de spécifications différentes ou de modifications ?

Edmund Optics propose des services complets de fabrication personnalisée de composants optiques et d'imagerie adaptés aux exigences de vos applications spécifiques. Qu'il s'agisse de la phase de prototypage ou de la préparation d'une production à grande échelle, nous proposons des solutions flexibles pour répondre à vos besoins. Nos ingénieurs expérimentés sont là pour vous aider, de la conception à la réalisation.

Nos capacités comprennent :

- Dimensions, matériaux, traitements, etc. personnalisés
- Qualité de surface et planéité de surface de haute précision
- Tolérances serrées et géométries complexes
- Production évolutive – du prototype à la série

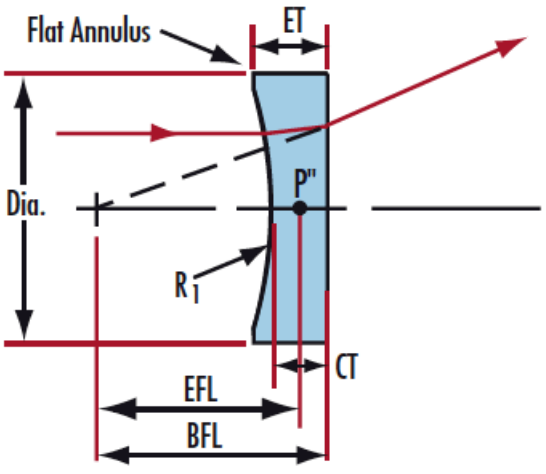
En savoir plus sur nos capacités de fabrication sur mesure ou soumettre une demande ici.

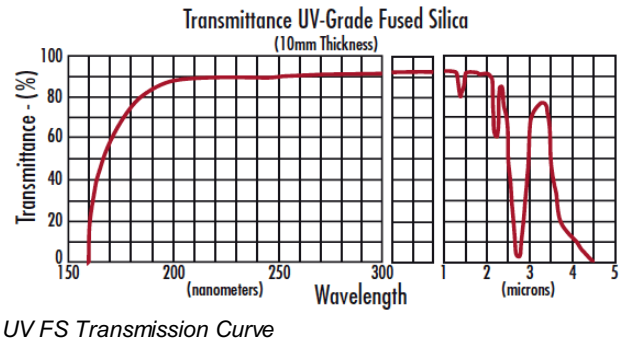
Description produit

- Distances focales négatives pour les applications d'expansion de faisceau ou de projection de lumière
- Gamme de longueurs d'onde de 200 à 2000 nm
- Option traitement AR UV disponible

Les Lentilles Plan-Concaves (PCV) en Silice Fondue UV TECHSPEC® sont des éléments optiques UV de haute performance, fabriqués à l'aide d'un équipement CNC de pointe. La précision de la surface et la performance de ces optiques sont garanties grâce à l'interféromètre GPI-XP de Zygo. Les lentilles de qualité UV sont fabriquées avec précision en utilisant de la silice fondue synthétique de qualité recherche. En plus d'offrir une excellente transmission et de fonctionner à hautes températures, la silice fondue synthétique présente également des spécifications d'inclusion et d'une pureté chimique exceptionnelles. Les Lentilles Plan-Concaves (PCV) en Silice Fondue UV TECHSPEC® sont un choix idéal pour de nombreuses applications laser et d'imagerie, en particulier celles impliquant des longueurs d'onde ultraviolettes. Un traitement antireflets à large bande est disponible, optimisant la transmission dans le spectre UV.

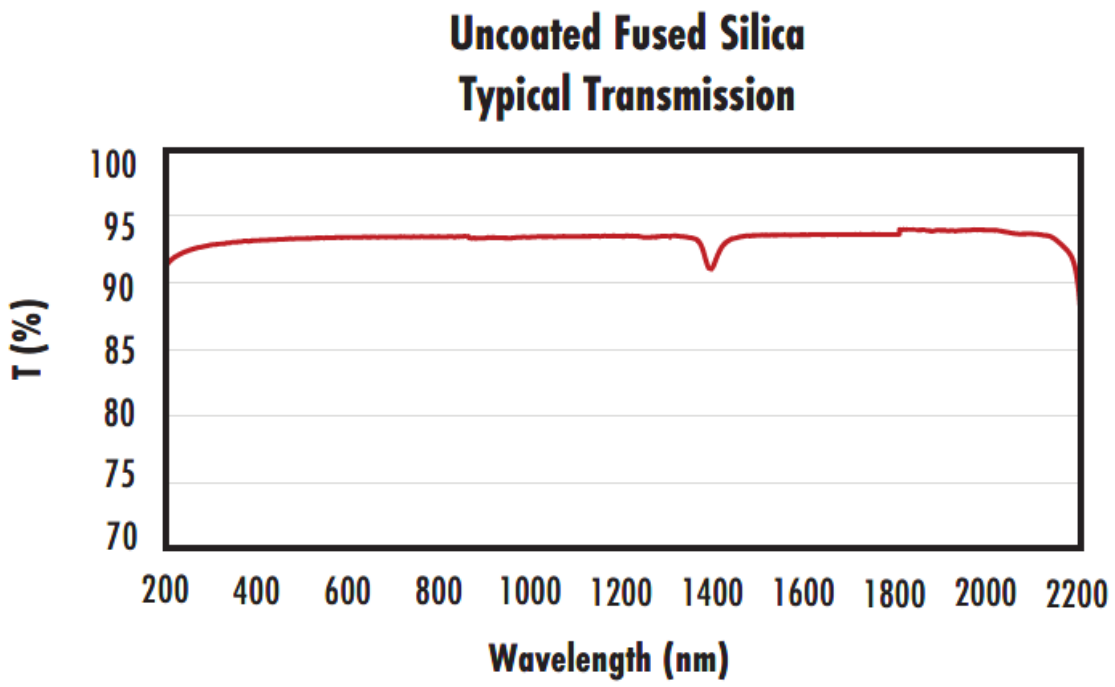
Informations techniques





UV FS Transmission Curve

FUSED SILICA



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

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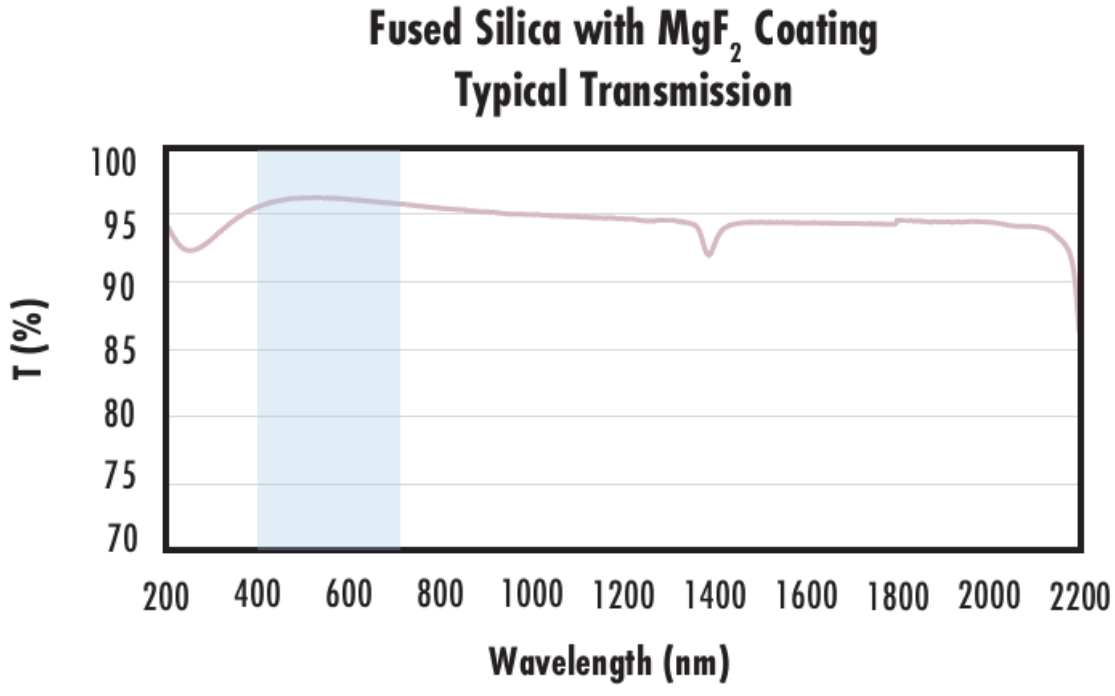

Typical transmission of a 3mm thick fused silica window with MgF2 (400-700nm) coating at 0° AOI.

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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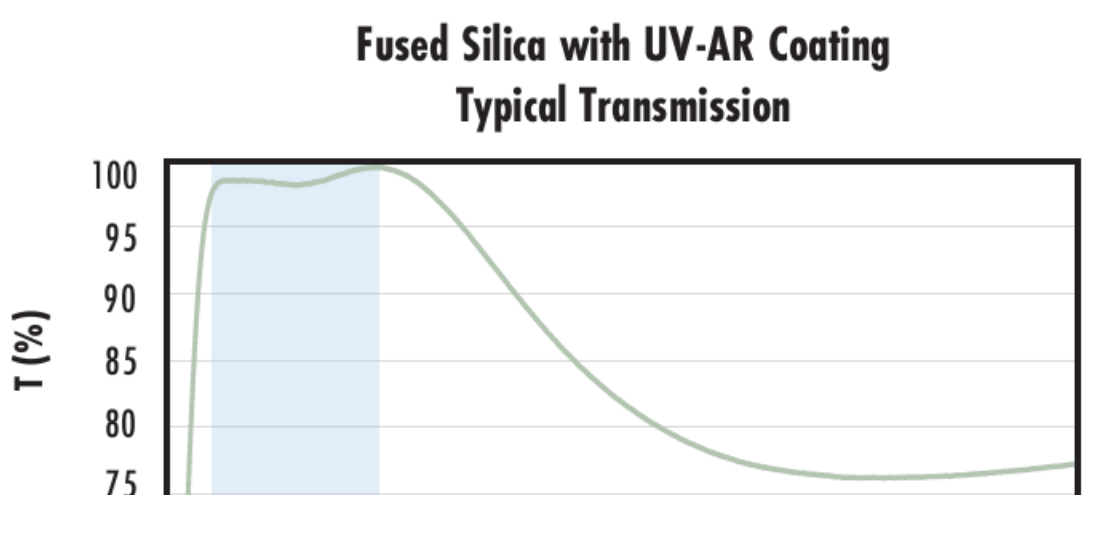
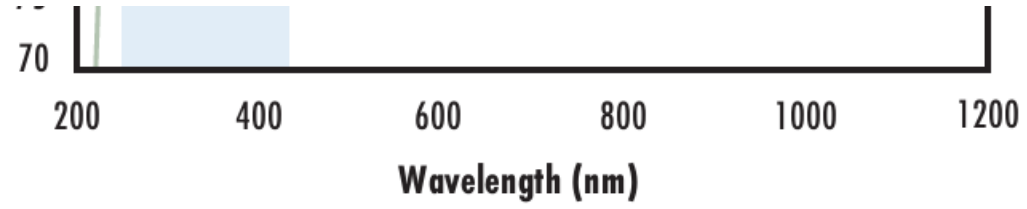


Typical transmission of a 3mm thick fused silica window with UV-AR (250-425nm) coating at 0° AOI.

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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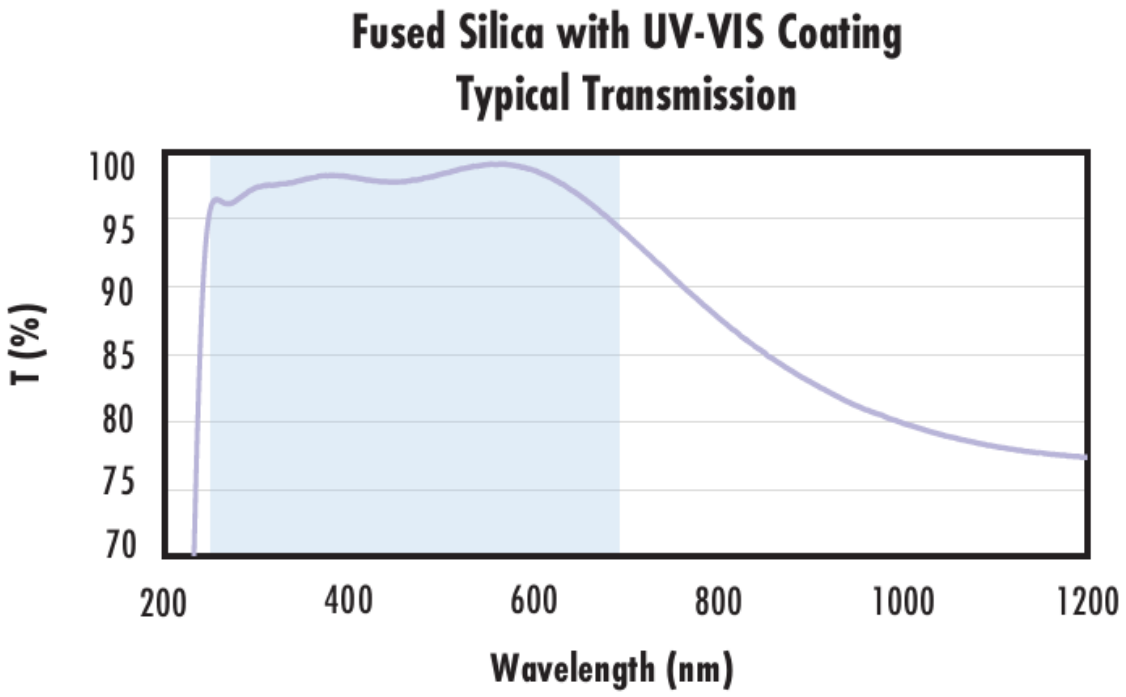

Typical transmission of a 3mm thick fused silica window with UV-VIS (250-700nm) coating at 0° AOI.

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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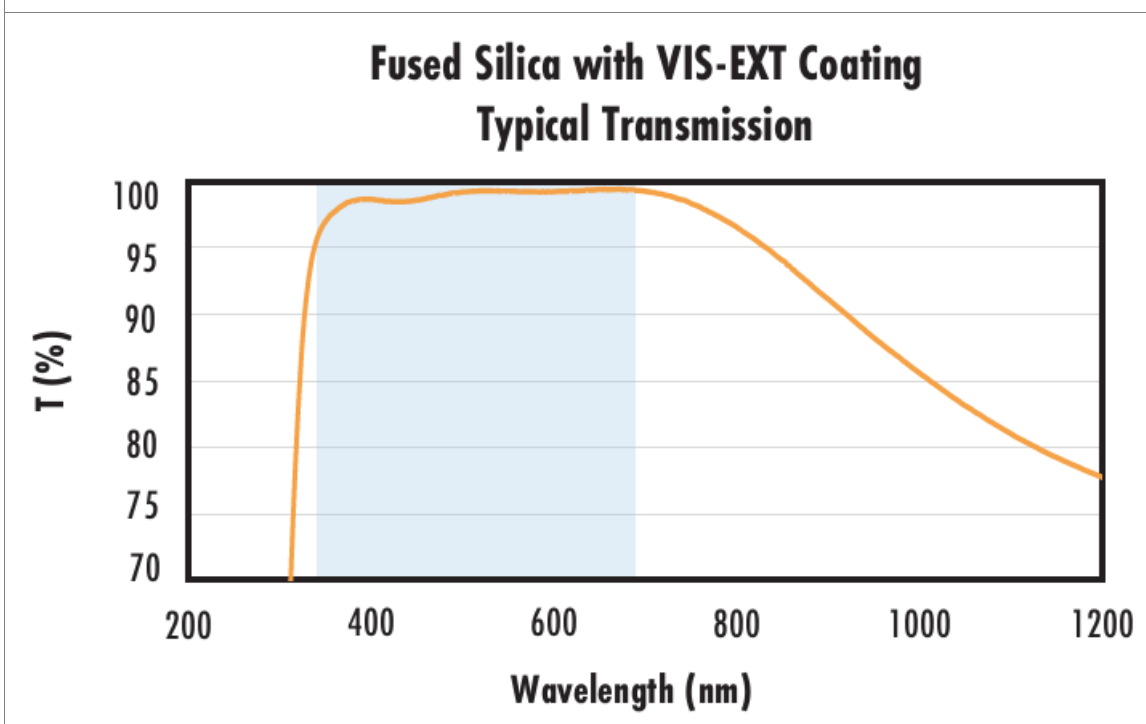

Typical transmission of a 3mm thick fused silica window with VIS-EXT (350-700nm) coating at 0° AOI.

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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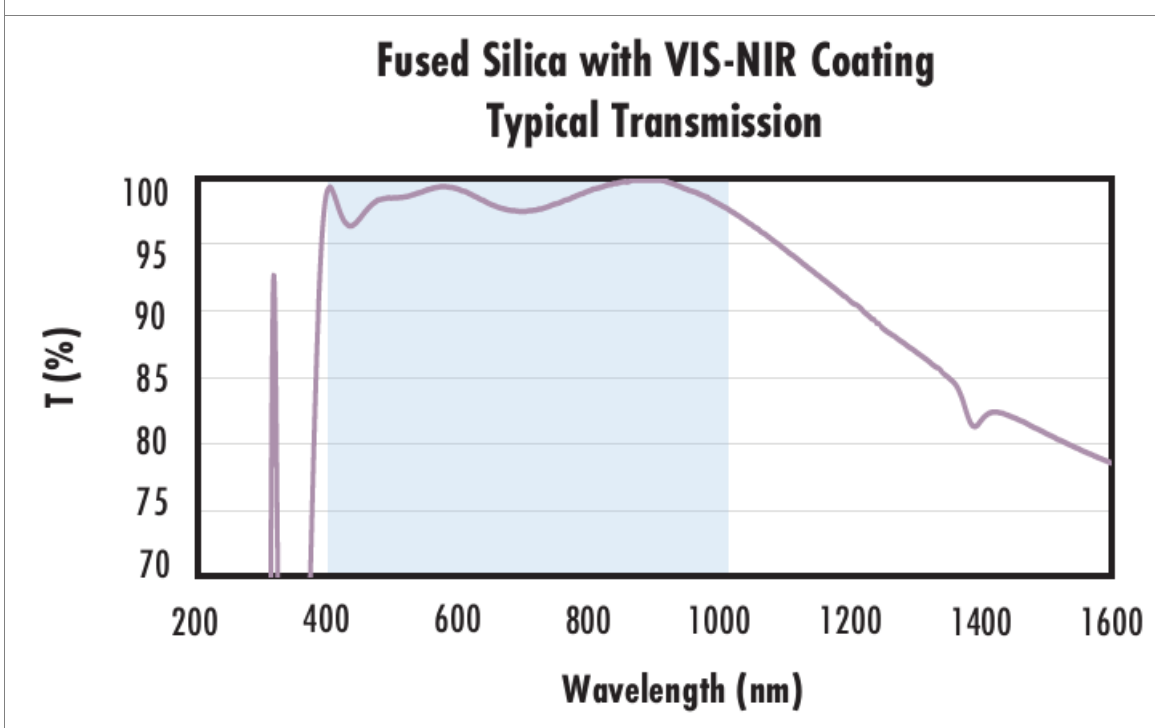

Typical transmission of a 3mm thick fused silica window with VIS-NIR (400-1000nm) coating at 0° AOI.

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

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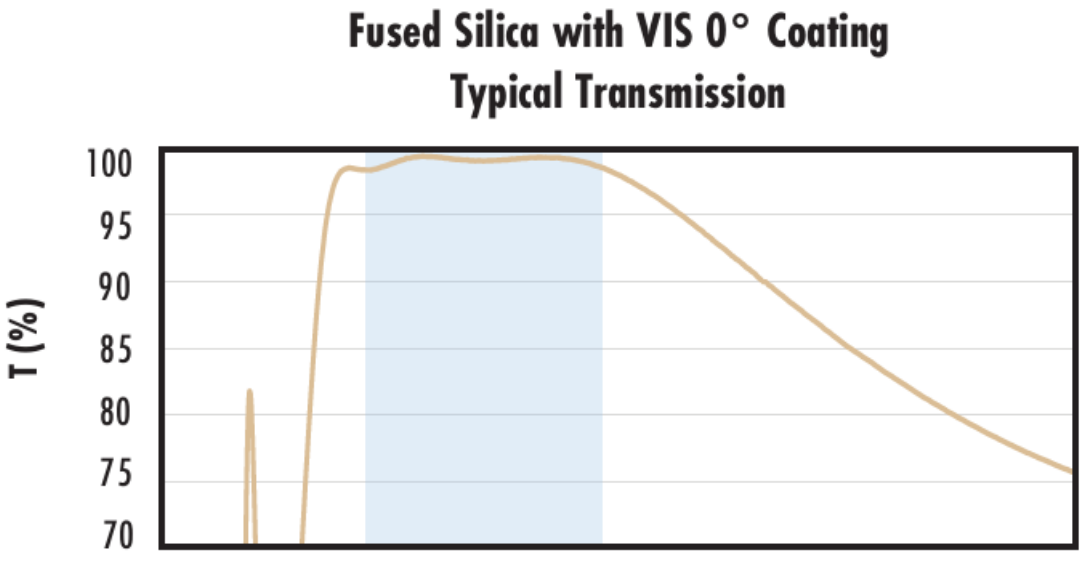

Typical transmission of a 3mm thick fused silica window with VIS 0° (425-675nm) coating at 0° AOI.

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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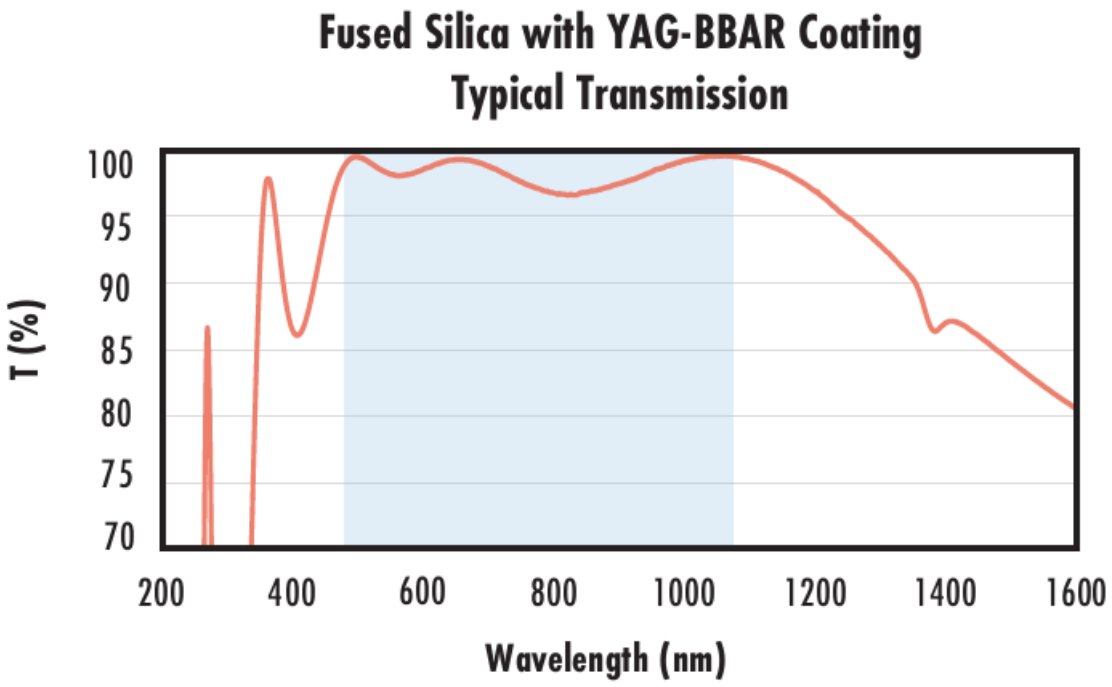

Typical transmission of a 3mm thick fused silica window with YAG-BBAR (500-1100nm) coating at 0° AOI.

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

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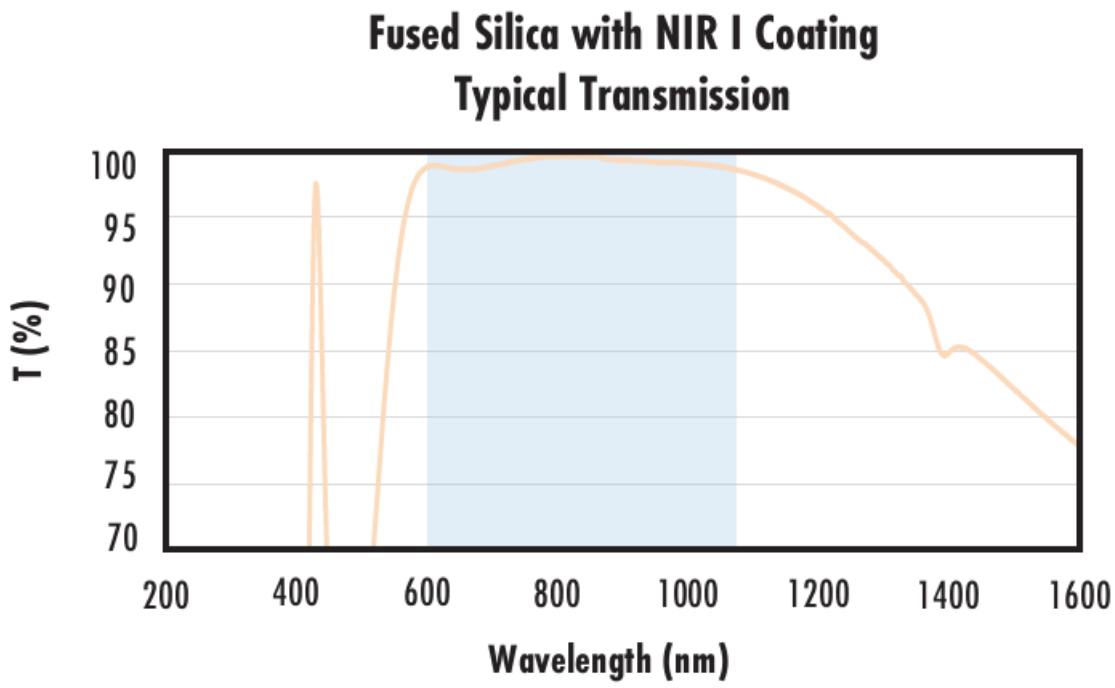

Typical transmission of a 3mm thick fused silica window with NIR I (600 - 1050nm) coating at 0° AOI.

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

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

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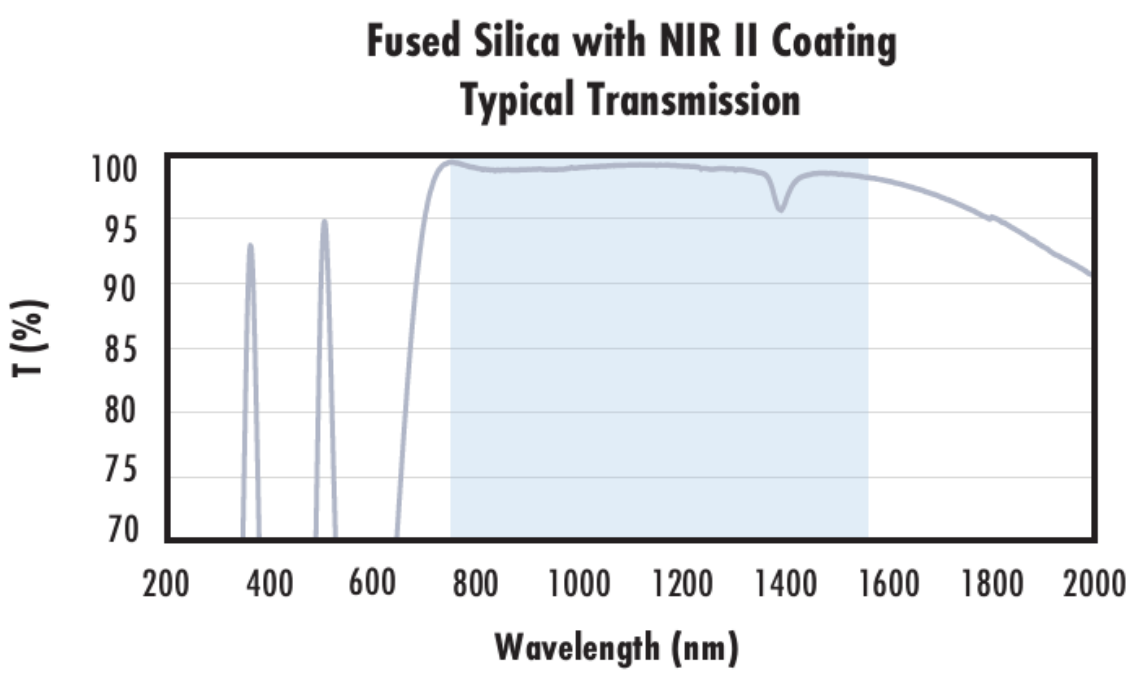

Typical transmission of a 3mm thick fused silica window with NIR II (750 - 1550nm) coating at 0° AOI.

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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