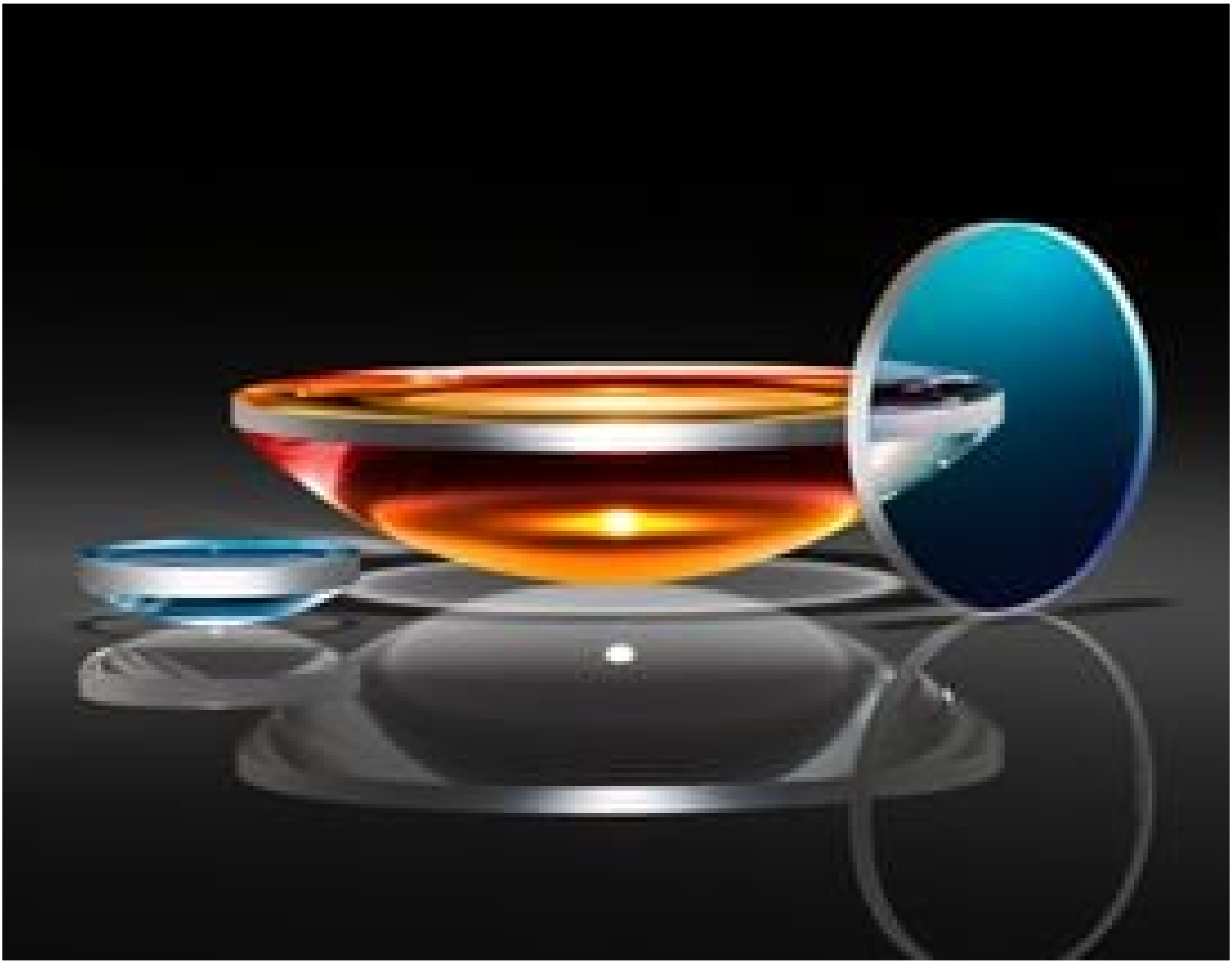
TECHSPEC® Lentille Plan-Convexe Traitée NIR II, 12 mm de dia. x 72 mm FL



UV Fused Silica Plano-Convex (PCX) Lenses

Stock **#17-976** **2 In Stock**

- 1 + **€136**.99

AJOUTER AU PANIER

Prix sur Quantité	
Qté 1-5	**€136,99** prix unitaire
Qté 6-25	**€109,18** prix unitaire
Qté 26-49	**€103,00** prix unitaire
Need More?	Demande de Devis

Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

SPÉCIFICATIONS

Caractéristiques du produit

Type:
Plano-Convex Lens

Propriétés physiques et mécaniques

Diamètre (mm):
12.00 -0.025

Centrage (arcmin):
<1

Épaisseur Centrale CT (mm):
2.50 ±0.05

Épaisseur au Bord ET (mm):
1.95

Ouverture Utile CA (mm):
11

Biseau:
Protective as needed

Propriétés optiques

Distance Focale EFL (mm):
72.00 @ 587.6nm

Distance Focale Arrière BFL (mm):
70.29

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

Substrat:
Fused Silica (Corning 7980)

Qualité de Surface:
40-20

Power (P-V) @ 632.8nm:
3 Rings

Irregularity (P-V) @ 632.8nm:
0.5 Rings

Tolérance Distance Focale (%):
±1

Rayon R_1 (mm):
33.01

f/#:
6

Ouverture Numérique NA:
0.08

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

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

Conformité réglementaire

RoHS 2015:
Conforme

Certificate of Conformance:
Visionner

Reach 235:
Conforme

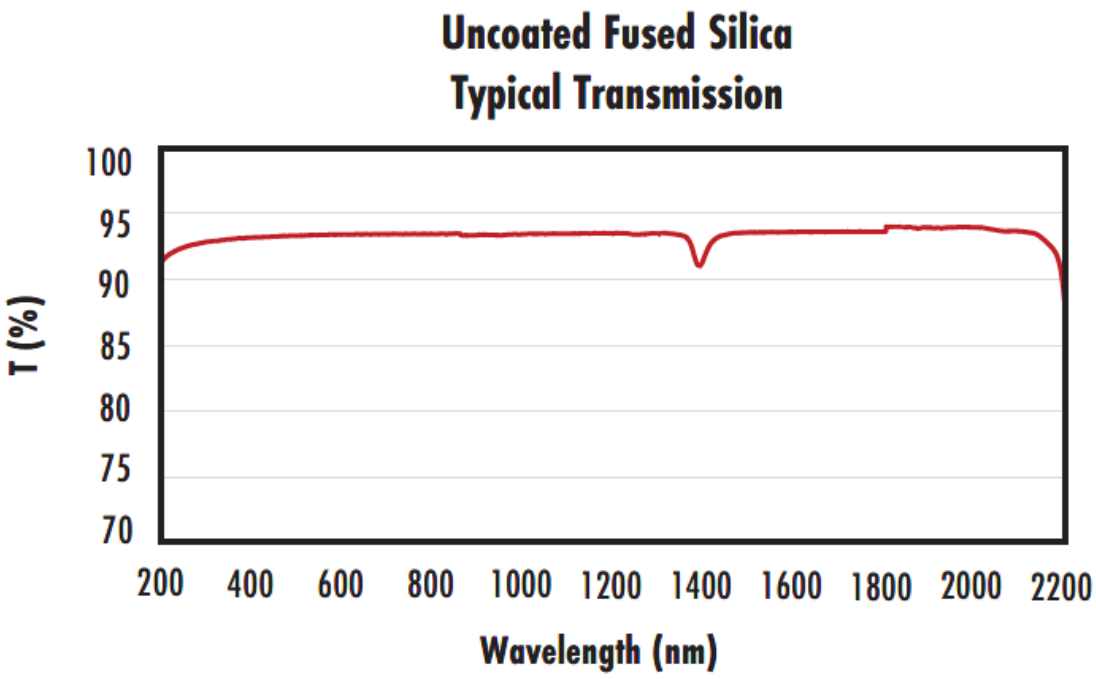
DESCRIPTION PRODUIT

- Traitées AR pour procurer une réflexion <0,7% par surface de 750 à 1550 nm
- Substrat en silice fondue de précision
- Diverses options de traitement : **non traitées**, **MgF2**, **UV-AR**, **UV-VIS**, **VIS-EXT**, **VIS-NIR**, **VIS 0°**, **YAG-BBAR** et **NIR I**

Les Lentilles Plan-Convexes (PCX) en Silice Fondue UV Traitées NIR-II TECHSPEC® présentent des spécifications de précision et une variété d'options de traitement sur un substrat à large bande. La silice fondue est couramment utilisée dans des applications allant de l'ultraviolet (UV) au proche infrarouge (NIR). Son faible indice de réfraction, son faible coefficient de dilatation thermique et sa faible teneur en inclusions la rendent idéale pour les applications laser et les conditions environnementales difficiles. Les Lentilles Plan-Convexes (PCX) en Silice Fondue UV Traitées NIR-II TECHSPEC® présentent des spécifications de centrage et de diamètre à la pointe de l'industrie, ce qui les rend idéales pour l'intégration dans des applications d'imagerie et de mesure exigeantes. Ces lentilles sont dotées d'un traitement NIR II afin d'augmenter leurs performances de traitement dans la plage de 750 à 1550 nm.

INFORMATIONS TECHNIQUES

FUSED SILICA



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

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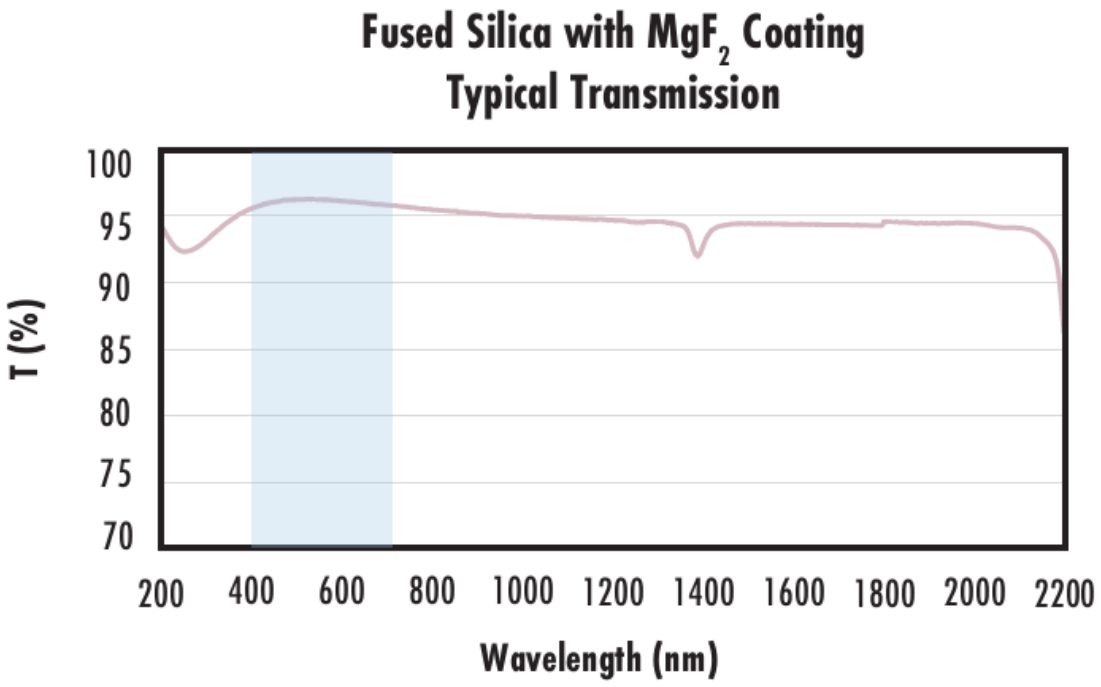

Typical transmission of a 3mm thick fused silica window with MgF2 (400-700nm) coating at 0° AOI.

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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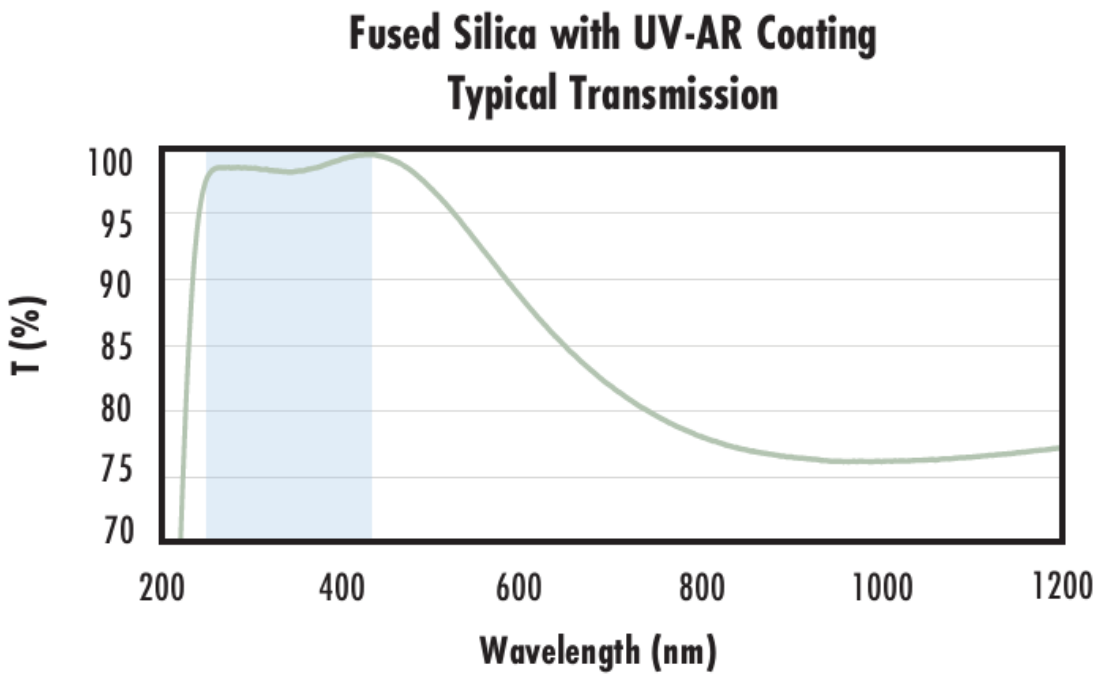

Typical transmission of a 3mm thick fused silica window with UV-AR (250-425nm) coating at 0° AOI.

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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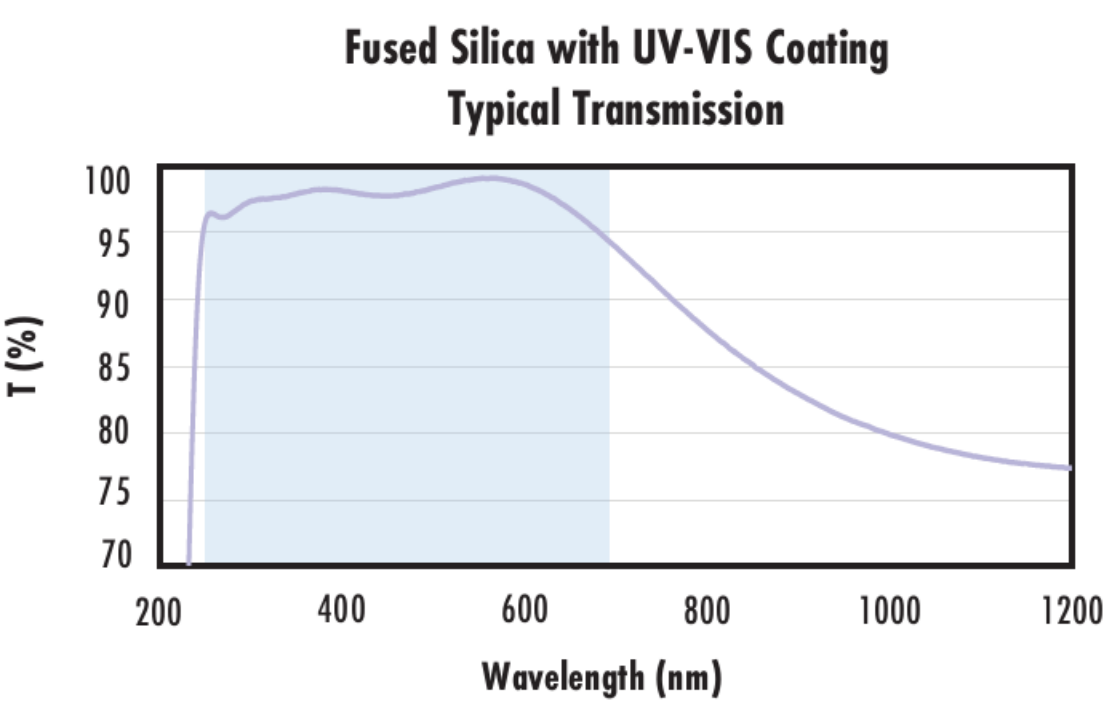

Typical transmission of a 3mm thick fused silica window with UV-VIS (250-700nm) coating at 0° AOI.

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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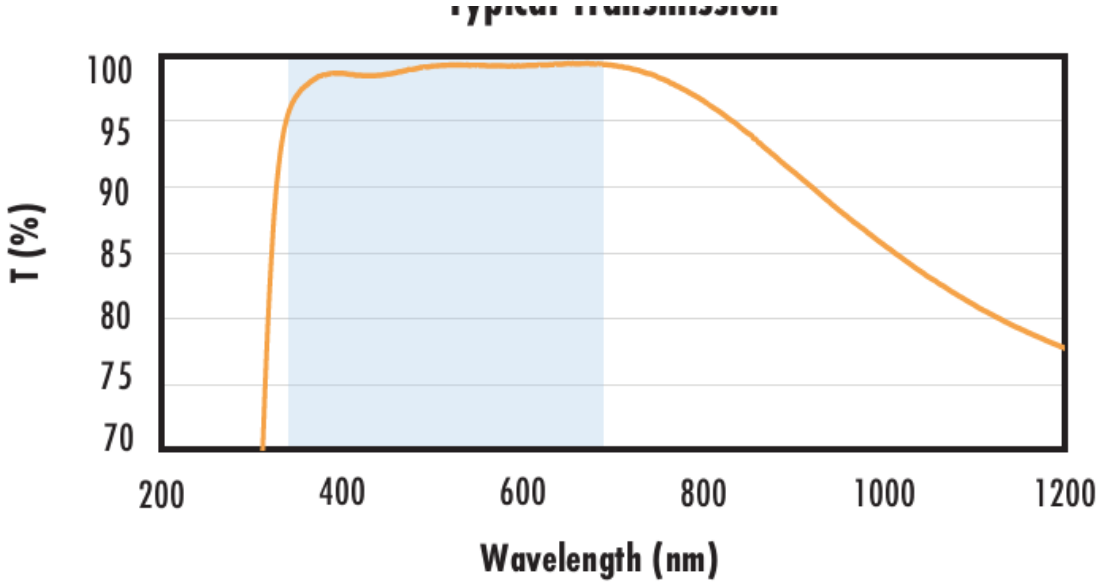
Fused Silica with VIS-EXT Coating
Typical Transmission



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 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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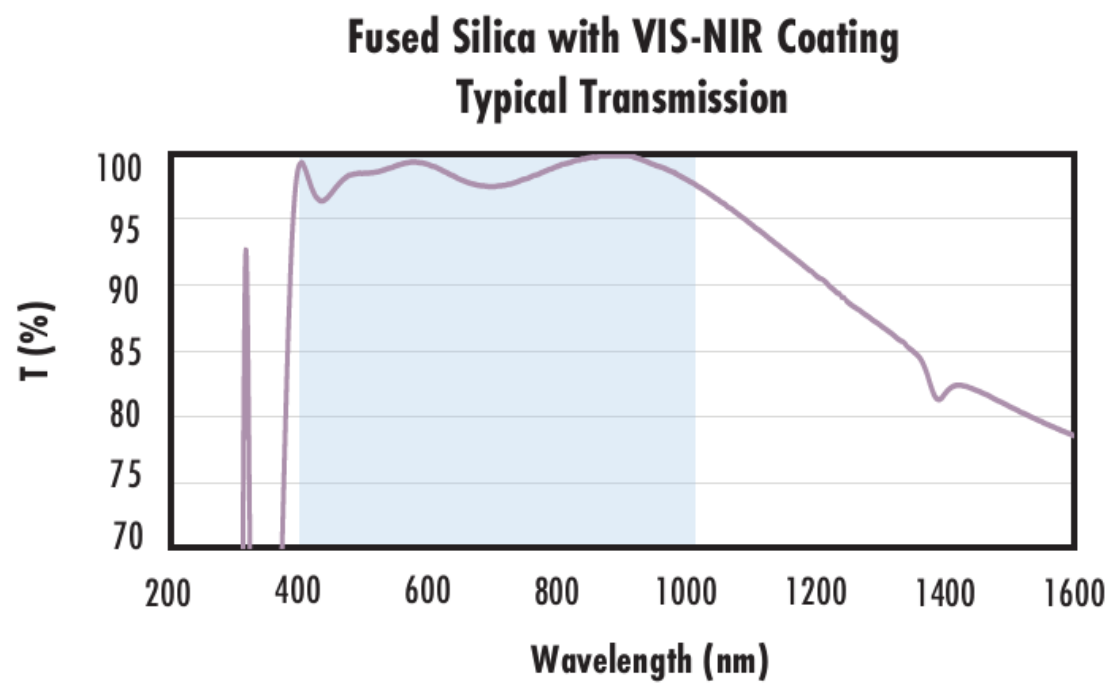

Typical transmission of a 3mm thick fused silica window with VIS-NIR (400-1000nm) coating at 0° AOI.

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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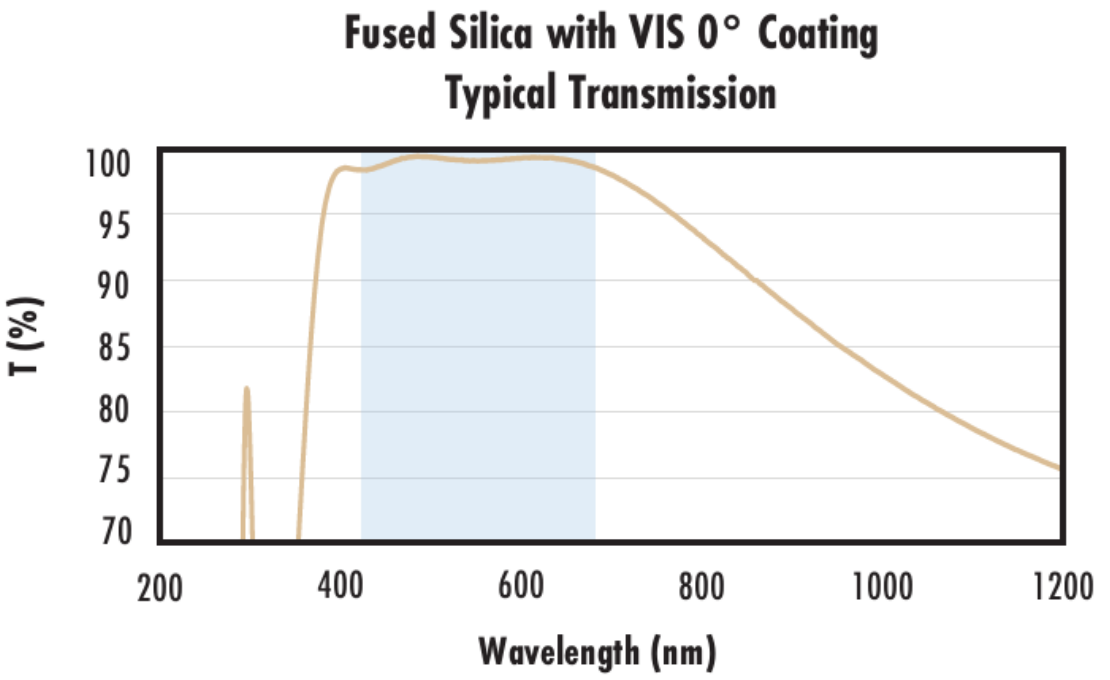

Typical transmission of a 3mm thick fused silica window with VIS 0° (425-675nm) coating at 0° AOI.

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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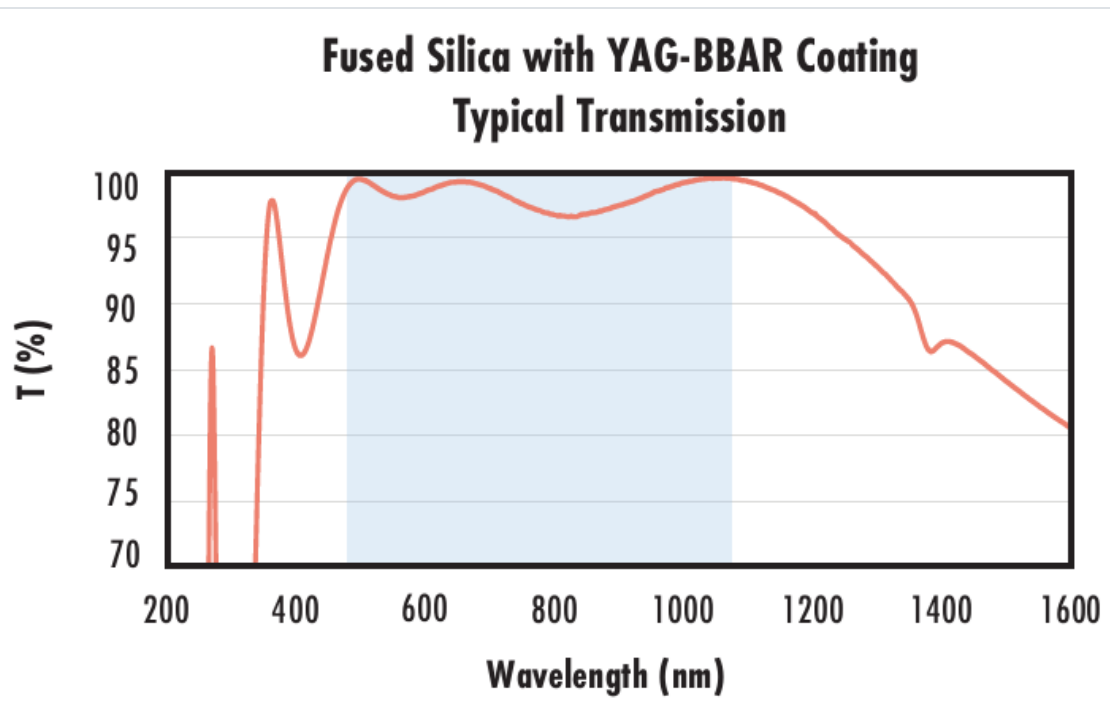

Typical transmission of a 3mm thick fused silica window with YAG-BBAR (500-1100nm) coating at 0° AOI.

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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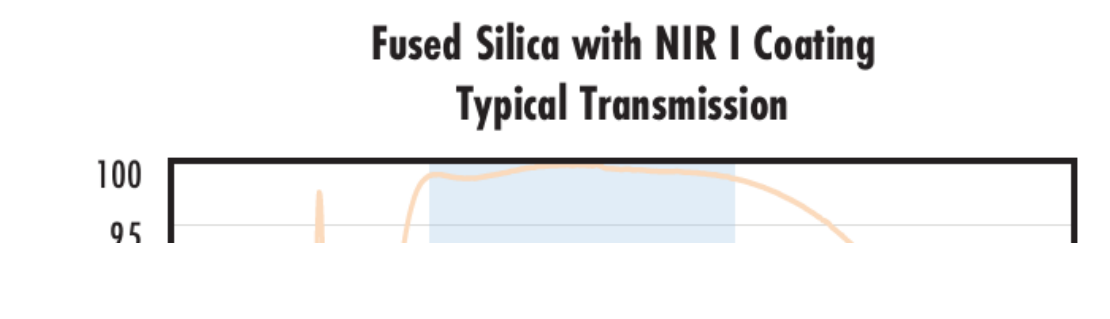
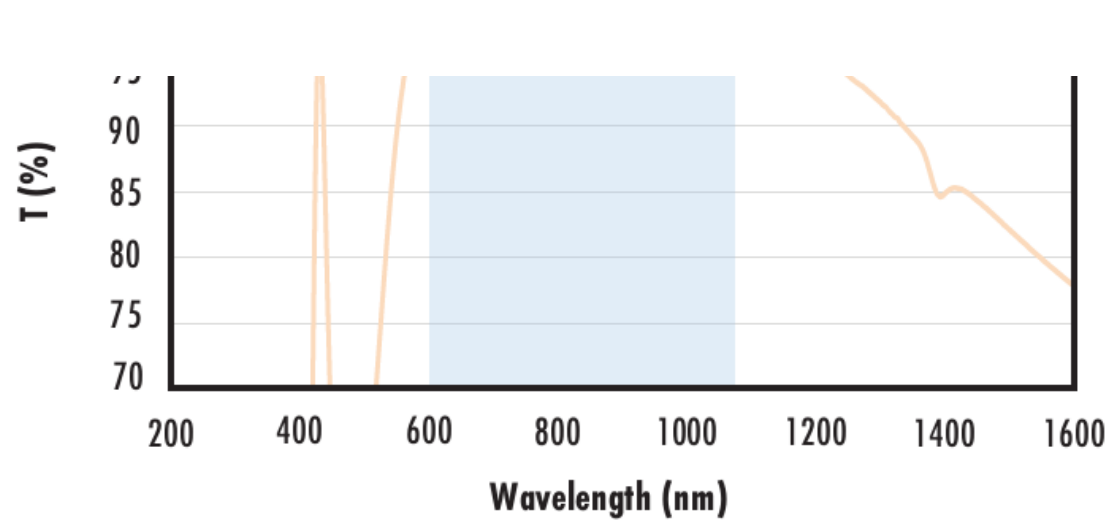


Typical transmission of a 3mm thick fused silica window with



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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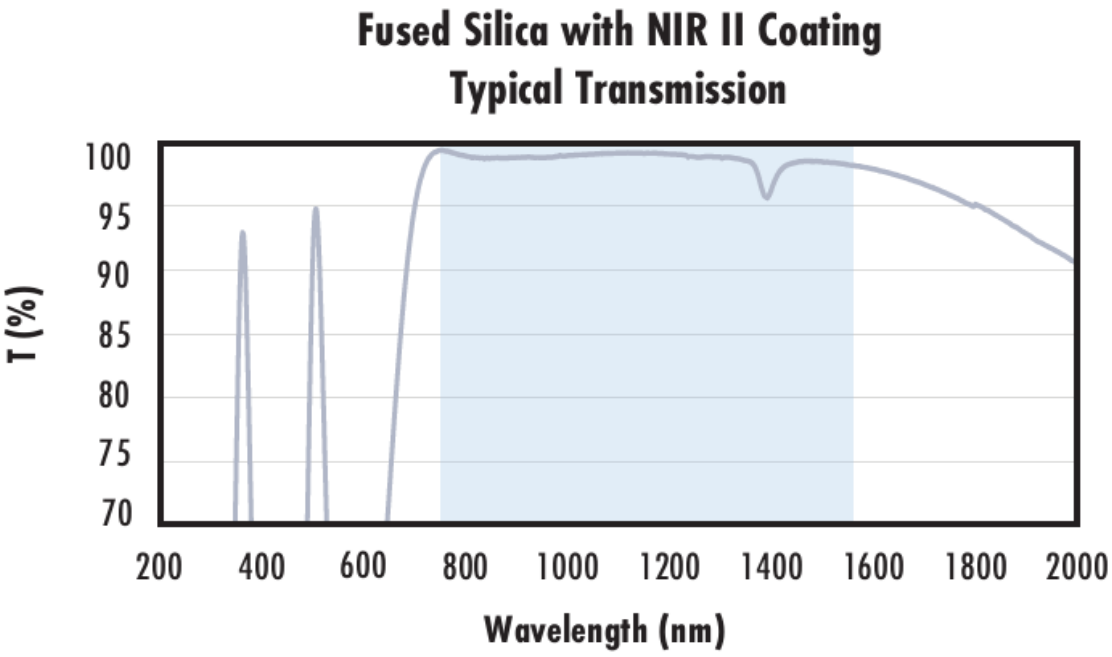

Typical transmission of a 3mm thick fused silica window with NIR II (750 - 1550nm) coating at 0° AOI.

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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SUR MESURE

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.

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- Qualité de surface et planéité de surface de haute précision
- Tolérances serrées et géométries complexes
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