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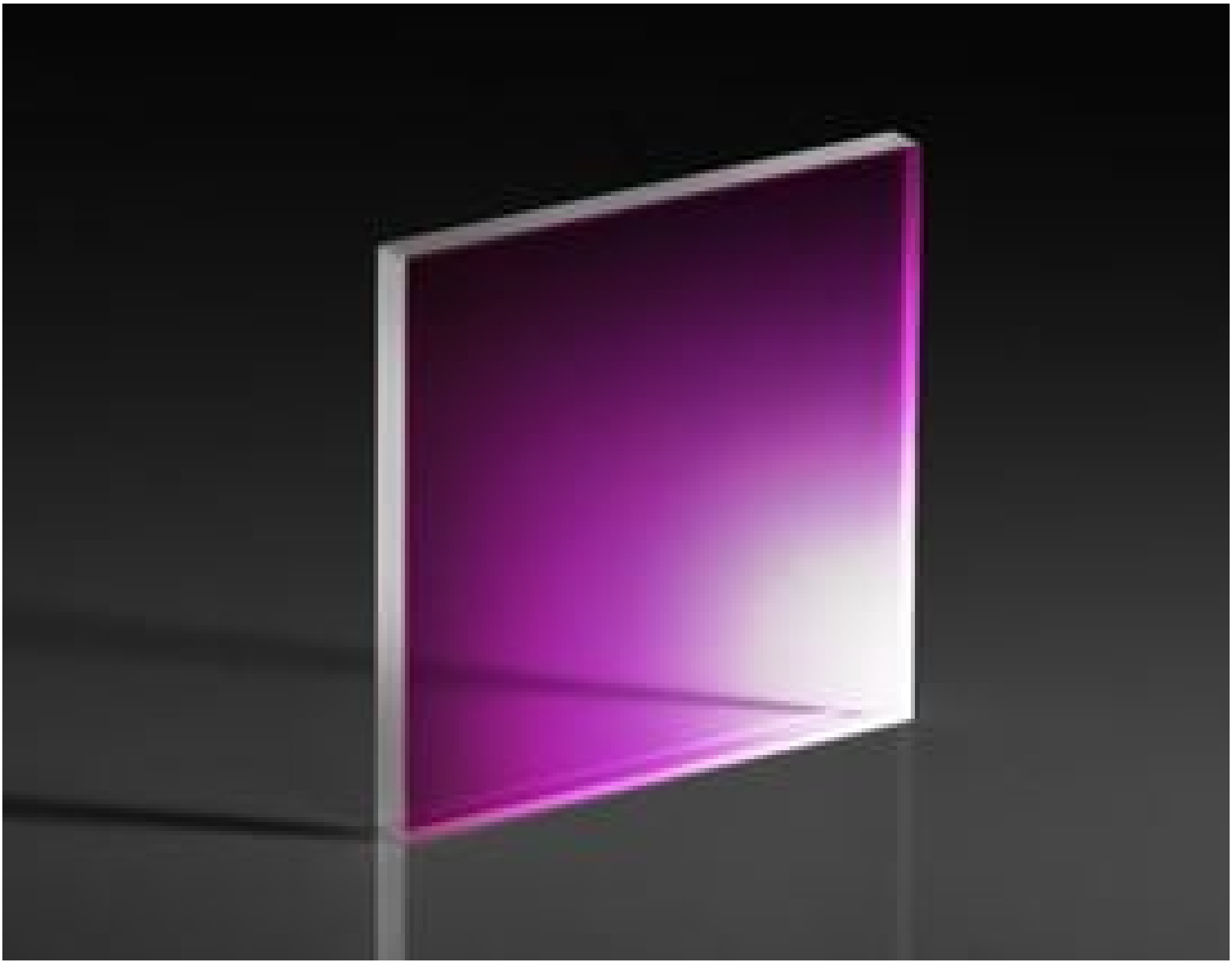
TECHSPEC® Fenêtre 1λ en Silice Fondue Non Traitée 12,5 x 12,5 mm, 2 mm d’épaisseur



Stock **#48-200** **20+ In Stock**

- 1 + **€78**.00

AJOUTER AU PANIER

Prix sur Quantité	
Qté 1-5	**€78,00** prix unitaire
Qté 6-25	**€62,50** prix unitaire
Qté 26-49	**€58,50** prix unitaire
Need More?	Demande de Devis

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):
11.25 x 11.25

Dimensions (mm):	12.50 x 12.50 +0.00/-0.20
Épaisseur (mm):	2.00 ±0.38
Longueur (mm):	12.50
Largeur (mm):	12.50
Parallélisme (arcmin):	<5
Tolérance Dimensionelle (mm):	+0.00/-0.20
Biseau:	Protective as needed
Ouverture Utile (%):	90
Bords:	Fine Ground
Rapport de Poisson:	0.16
Module d'Élasticité de Young (GPa):	73
Dureté de Knoop (kg/mm^2):	522.00

Propriétés optiques

Traitement:	Uncoated
Substrat:	**Fused Silica** (Corning 7980)
Indice de Réfraction (n_d):	1.458
Qualité de Surface:	60-40
Nombre d'Abbe (v_d):	67.8
Gamme de Longeur d'Onde (nm):	200 - 2200
Planéité de Surface (P-V):	1λ

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)
Fused Silica Grade:	7980 0G

Conformité réglementaire

RoHS 2015:	Conforme
Reach 211:	Conforme
Certificate of Conformance:	Visionner

Description produit

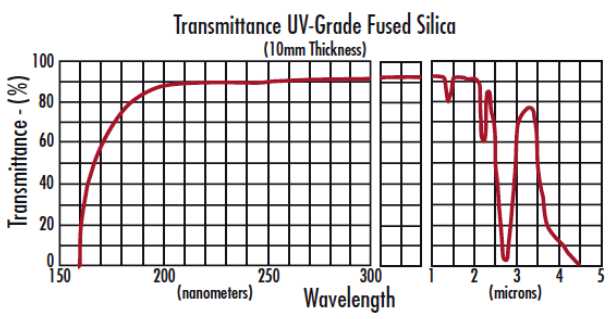
- Disponibles avec ou sans traitement antireflets à large bande

- Idéales pour applications à large bande
- Tailles de 5 mm de diamètre à carrés de 50 mm disponibles
- Fenêtres en Silice Fondue UV **λ/4** ou **λ/10** aussi disponibles

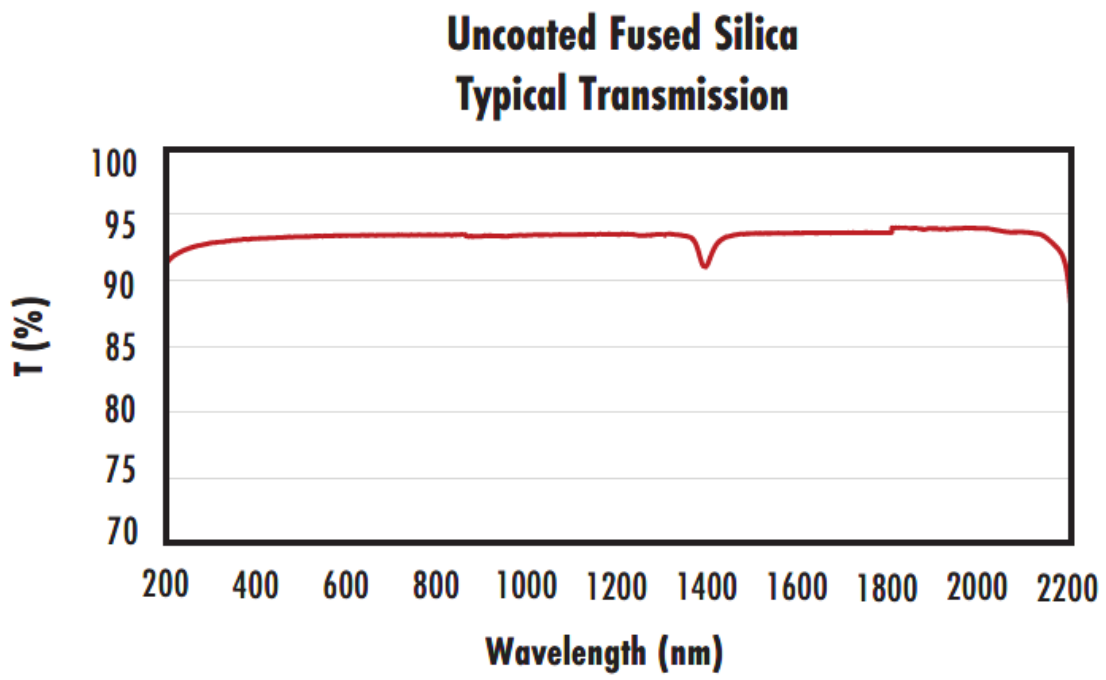
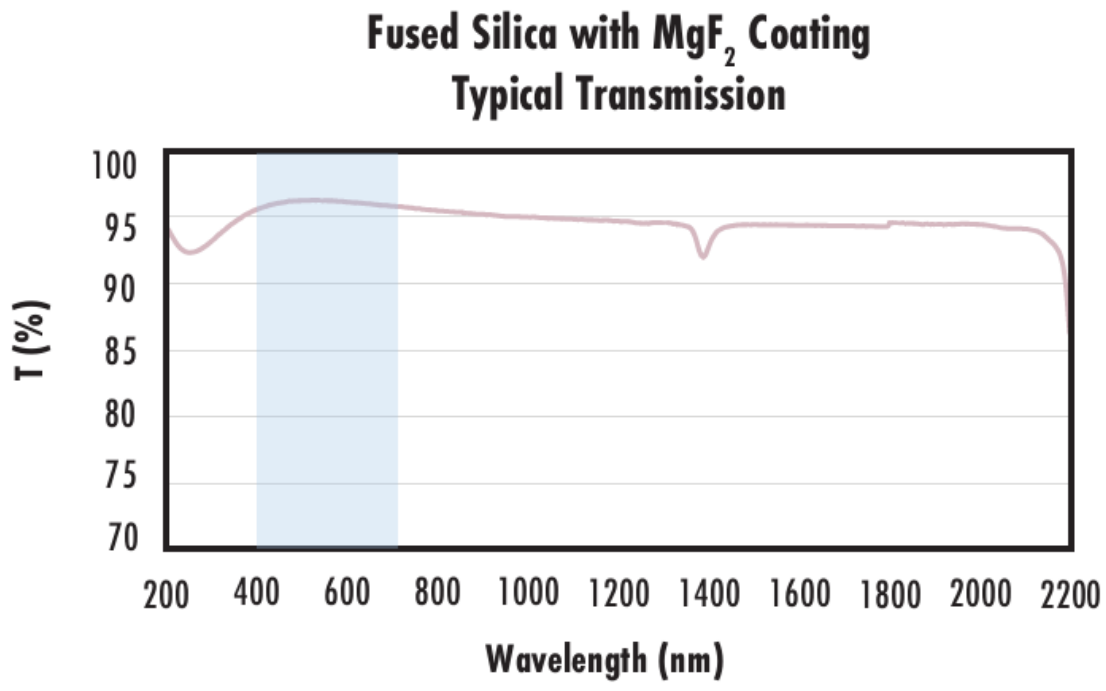
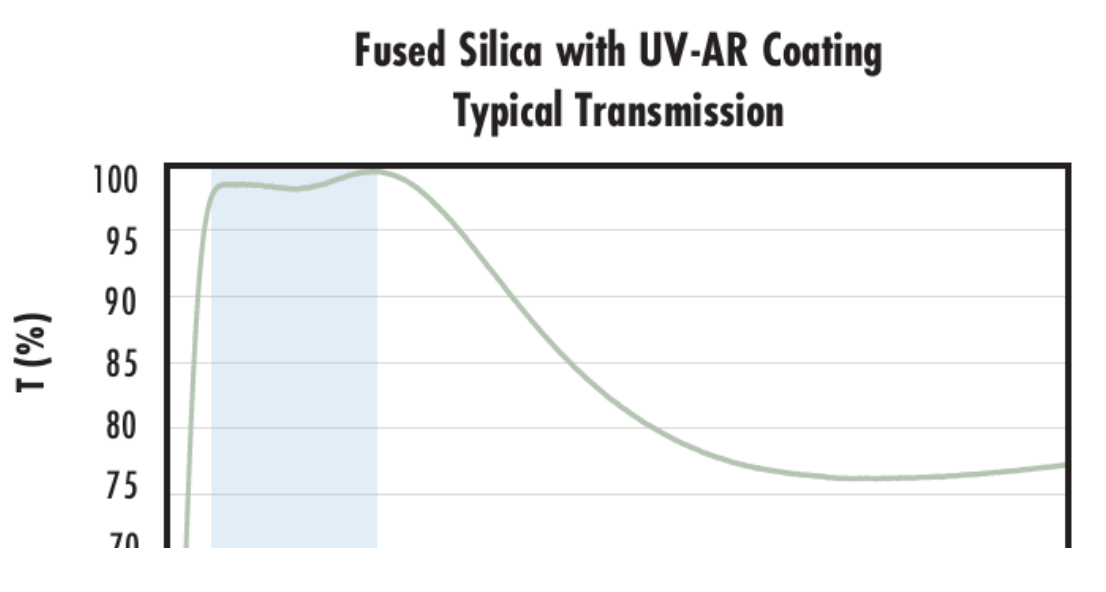
Les Fenêtres 1λ en Silice Fondue UV TECHSPEC® sont fabriquées avec précision en utilisant de la silice fondue synthétique. En plus d'une forte transmission, la silice fondue synthétique de ces fenêtres optiques fournit des propriétés thermiques plus élevées, une pureté exceptionnelle et une excellente durabilité environnementale pour toutes applications exigeantes. Les fenêtres sont idéales pour les applications à large bande sensibles aux coûts et sont disponibles sans traitement ou avec des traitements antireflets à large bande. Les Fenêtres 1λ en Silice Fondue UV TECHSPEC® ont des tailles allant de 5 mm à 100 mm de diamètre. Des fenêtres *λ*/4 ou *λ*/10 UV en silice fondue sont également disponibles.

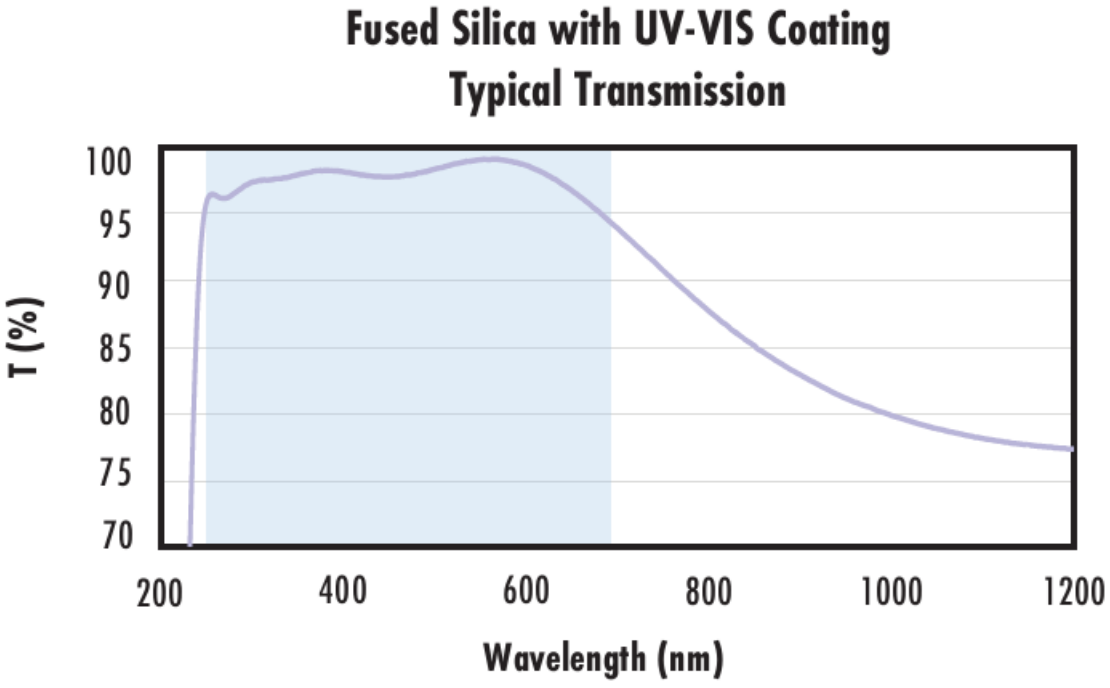
Remarque : Les nouveaux ajouts à cette famille de produits peuvent être précisés avec une spécification de distorsion du front d'onde transmis (TWD) au lieu d'une planéité de surface. Pour plus d'informations sur la différence entre ces deux spécifications, consultez notre note d'application **Comprendre les fenêtres optiques**.

Informations techniques



UV FS Transmission Curve

FUSED SILICA	
	Typical transmission of a 3mm thick, uncoated fused silica window across the UV - NIR spectra. **Click Here to Download Data**
	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. **Click Here to Download Data**
	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. **Click Here to Download Data**



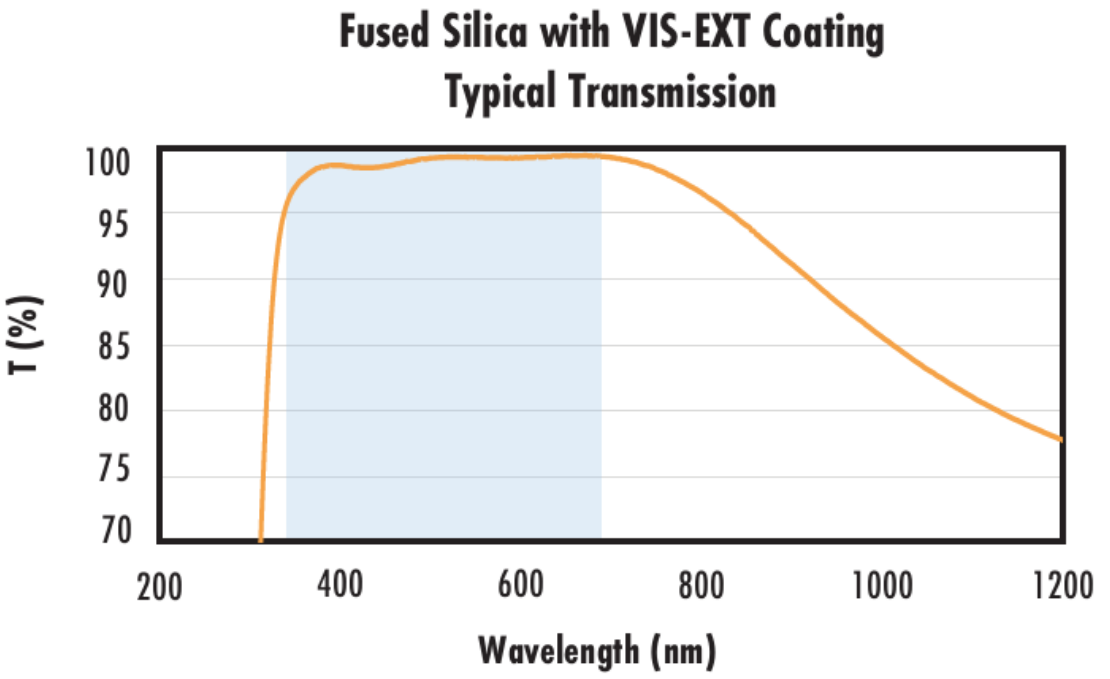
Typical transmission of a 3mm thick fused silica window with UV-VIS (250-700nm) coating at 0° AOI.

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.

Click Here to Download Data



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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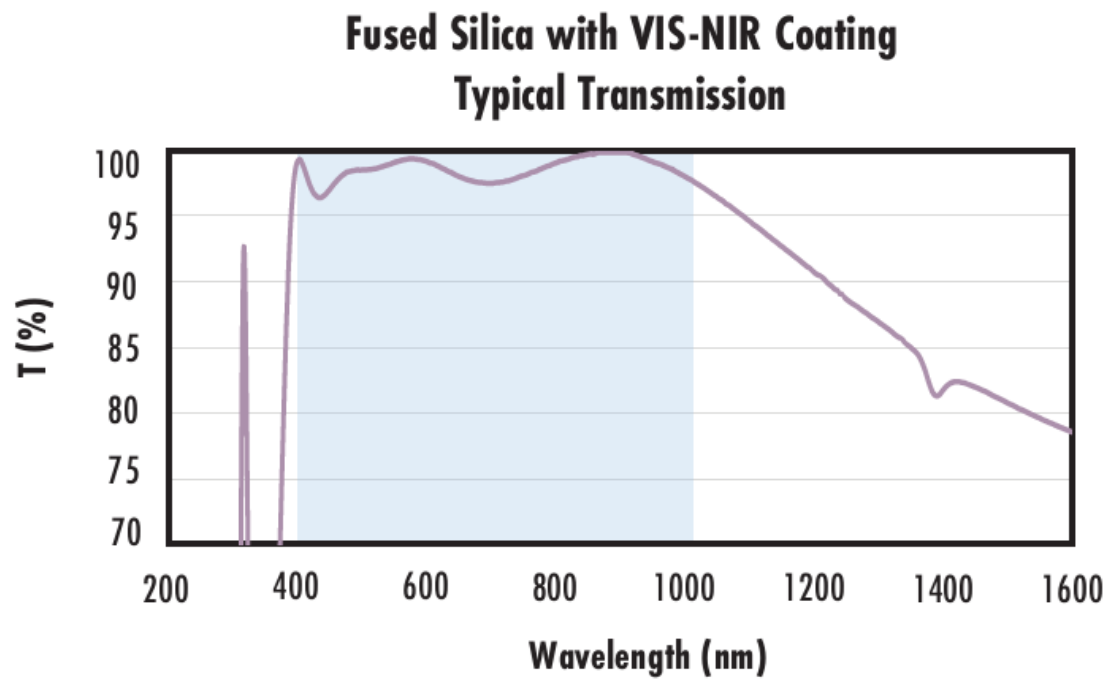

Typical transmission of a 3mm thick fused silica window with VIS-NIR (400-1000nm) coating at 0° AOI.

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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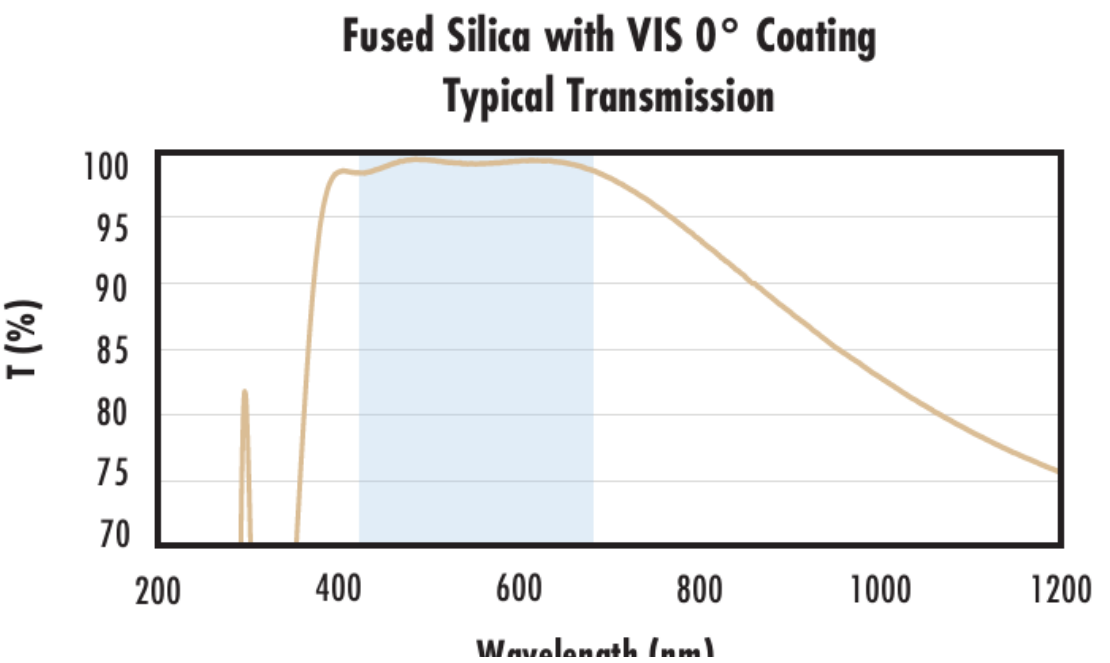

Typical transmission of a 3mm thick fused silica window with VIS 0° (425-675nm) coating at 0° AOI.

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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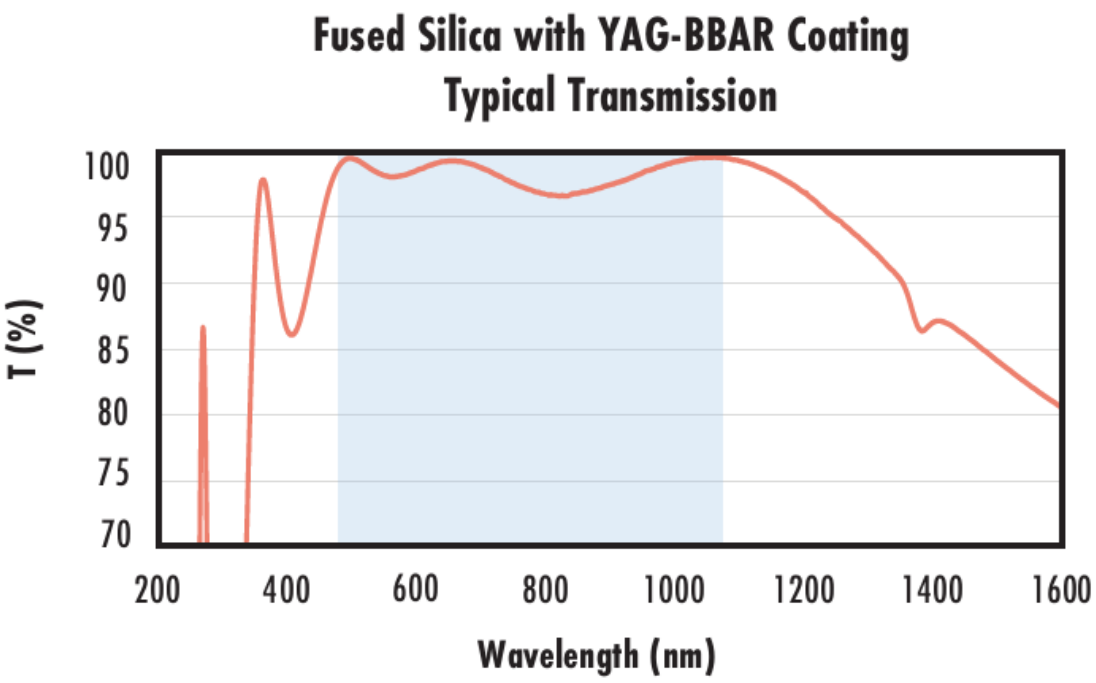

Typical transmission of a 3mm thick fused silica window with YAG-BBAR (500-1100nm) coating at 0° AOI.

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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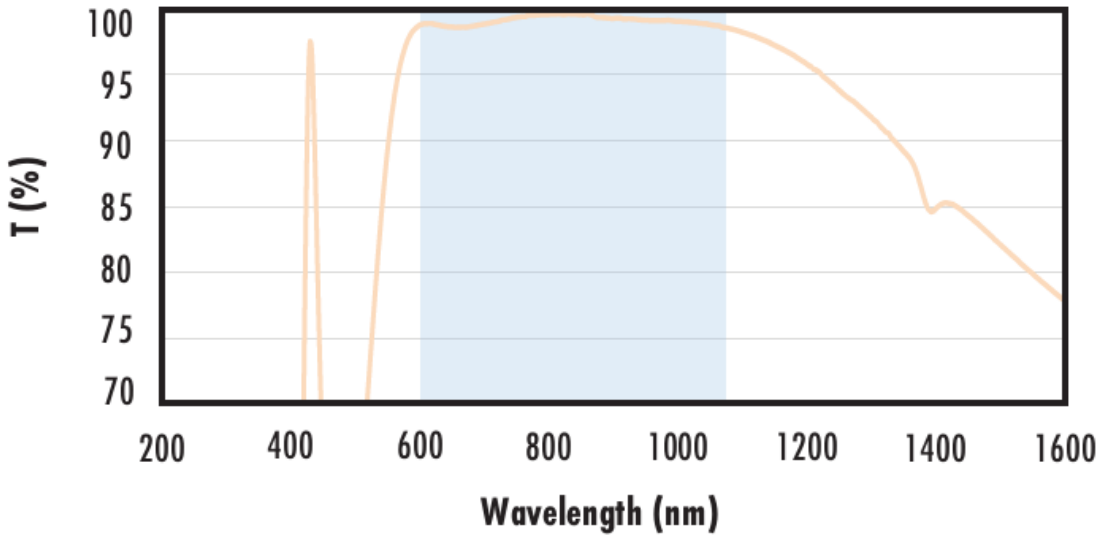

Typical transmission of a 3mm thick fused silica window with NIR I (600 - 1050nm) coating at 0° AOI.

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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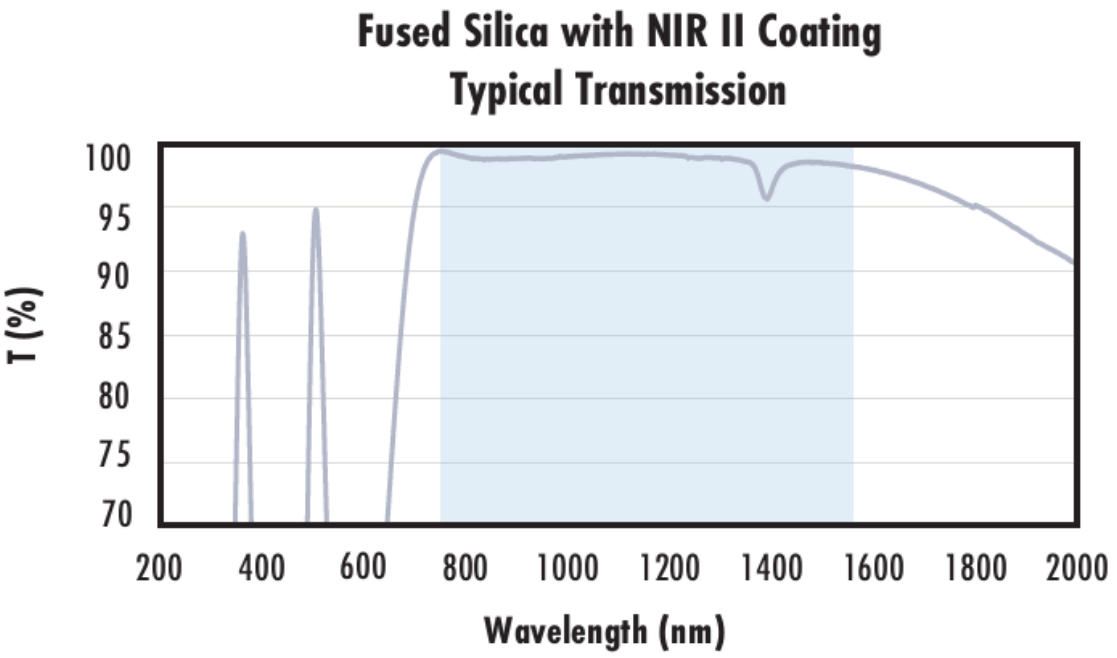

Typical transmission of a 3mm thick fused silica window with NIR II (750 - 1550nm) coating at 0° AOI.

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.

Click Here to Download Data

Montures compatibles

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