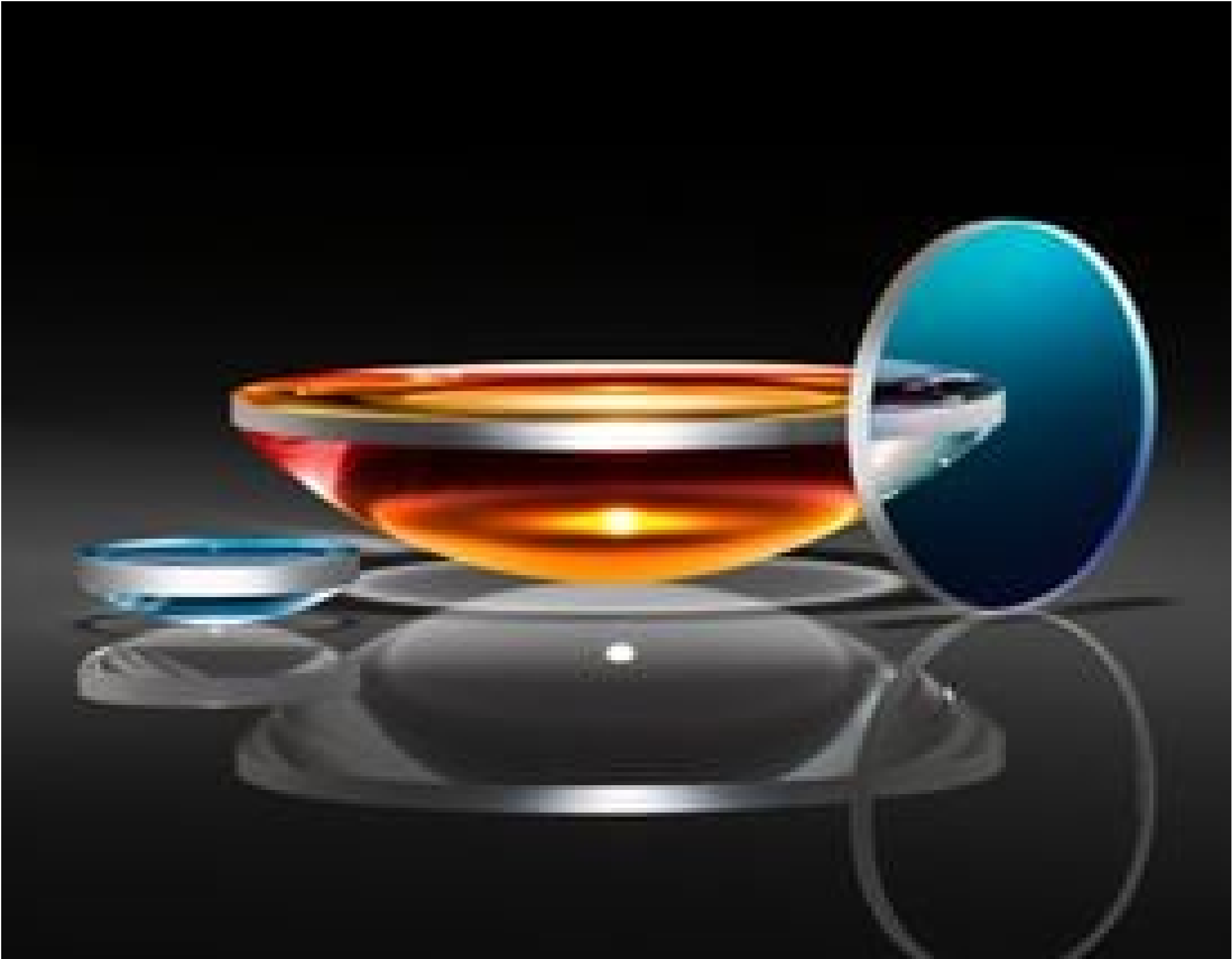


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TECHSPEC®

Lentille Plan-Convexe Traitée NIR II, 12 mm de dia. x 25 mm FL



UV Fused Silica Plano-Convex (PCX) Lenses



Stock **#18-041** 1 In Stock

-

1

+

€160^{.00}

AJOUTER AU PANIER

Prix sur Quantité	
Qté 1-5	€160,00 prix unitaire
Qté 6-25	€128,00 prix unitaire
Qté 26-49	€121,00 prix unitaire
Need More?	Demande de Devis

Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

Caractéristiques du produit

Plano-Convex Lens

Type:

Propriétés physiques et mécaniques

12.00 -0.025	Diamètre (mm):
<1	Centrage (arcmin):
3.92 ±0.05	Épaisseur Centrale CT (mm):
2.22	Épaisseur au Bord ET (mm):
11	Ouverture Utile CA (mm):
Protective as needed	Biseau:

Propriétés optiques

25.00 @ 587.6nm	Distance Focale EFL (mm):
22.31	Distance Focale Arrière BFL (mm):
NIR II (750-1550nm)	Traitement:
R _{abs} ≤1.5% @ 750 - 800nm R _{abs} ≤1.0% @ 800 - 1550nm R _{avg} ≤0.7% @ 750 - 1550nm	Spécification du Traitement:
Fused Silica (Corning 7980)	Substrat: □
40-20	Qualité de Surface:
3 Rings	Power (P-V) @ 632.8nm:
0.5 Rings	Irregularity (P-V) @ 632.8nm:
±1	Tolérance Distance Focale (%):
11.46	Rayon R ₁ (mm):
2.08	f/#:
0.24	Ouverture Numérique NA:
750 - 1550	Gamme de Longueur d'Onde (nm):
8 J/cm ² @ 1064nm, 10ns	Damage Threshold, By Design: □

Conformité réglementaire

Conforme	RoHS 2015:
Visionner	Certificate of Conformance:
Conforme	Reach 235:

Description produit

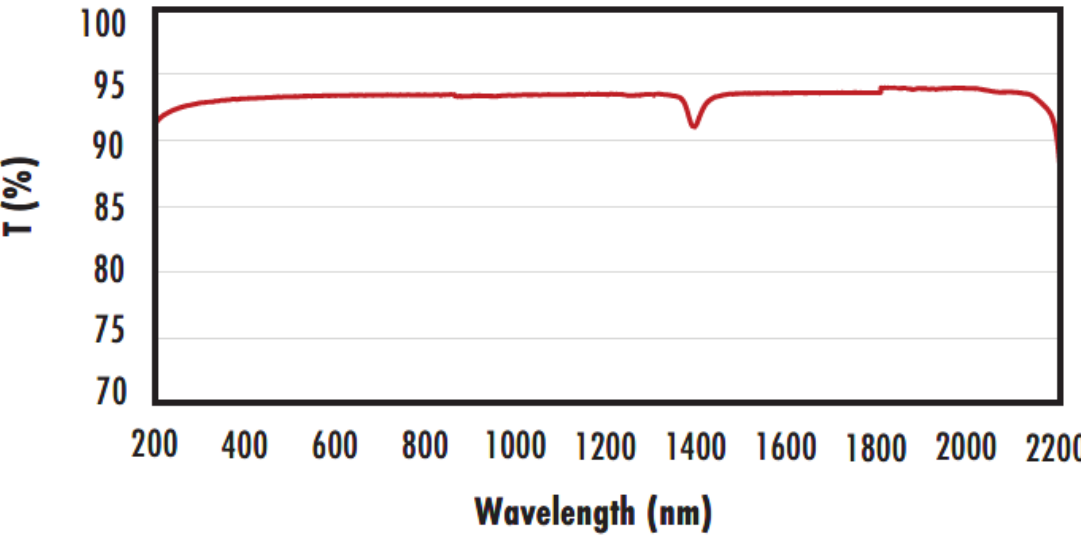
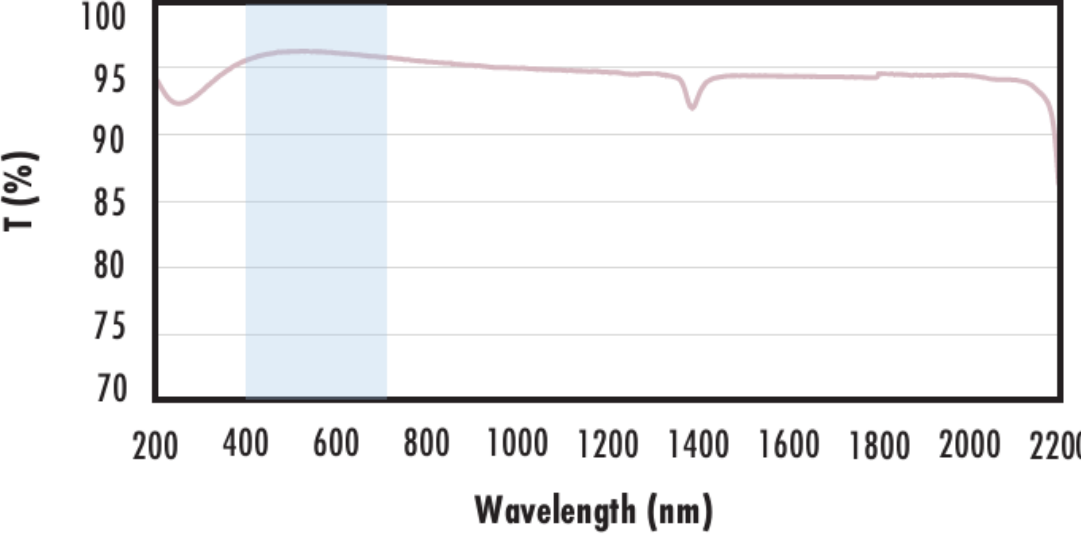
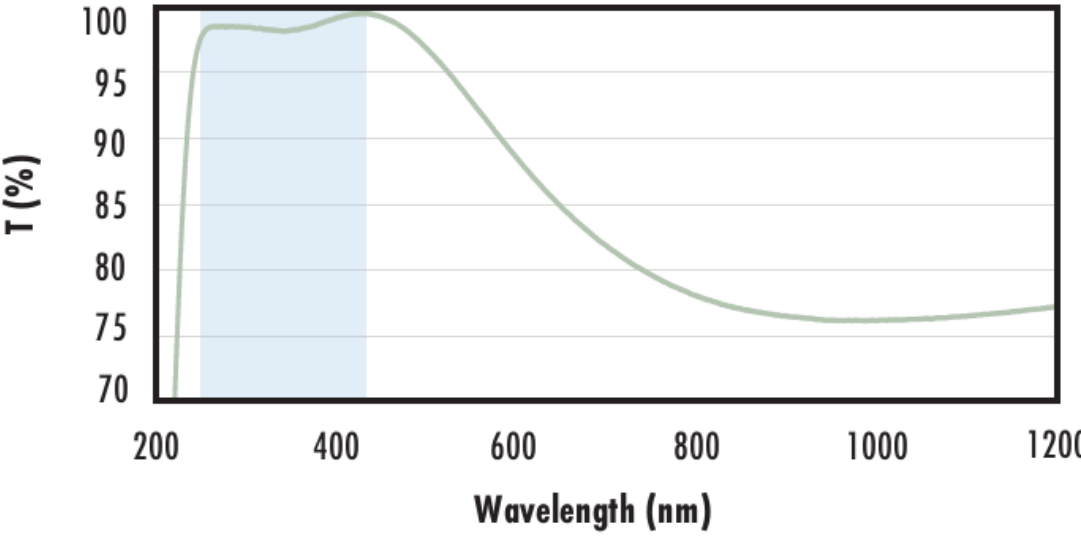
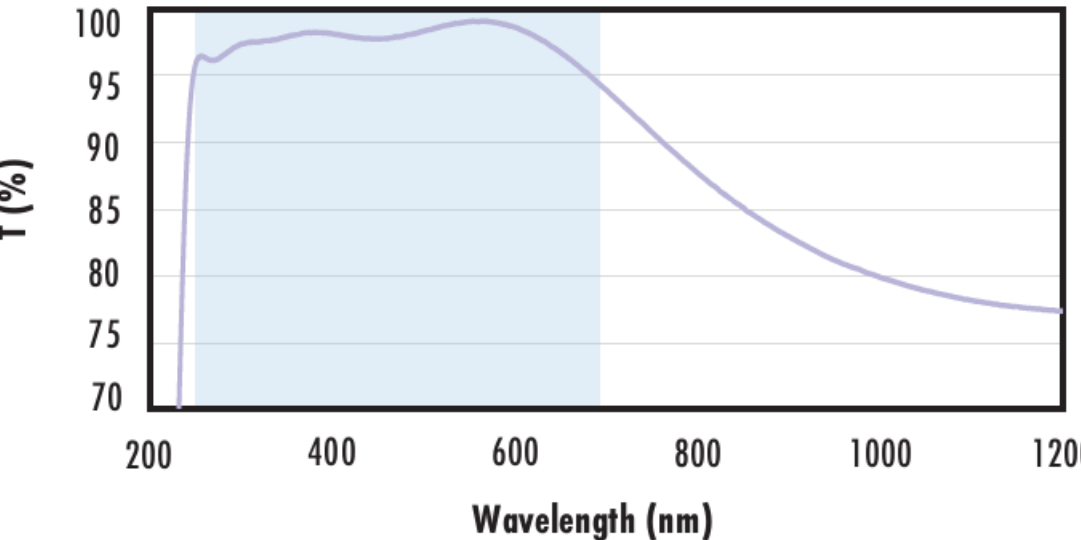
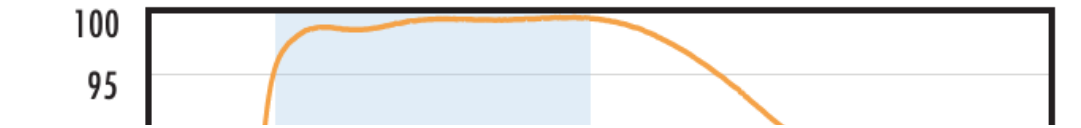
- Traitées AR pour procurer une réflexion <0,7% par surface de 750 à 1550 nm
- Substrat en silice fondue de précision
- Diverses options de traitement : [non traitées](#), [MgF2](#), [UV-AR](#), [UV-VIS](#), [VIS-EXT](#), [VIS-NIR](#), [VIS 0°](#), [YAG-BBAR](#) et [NIR I](#)

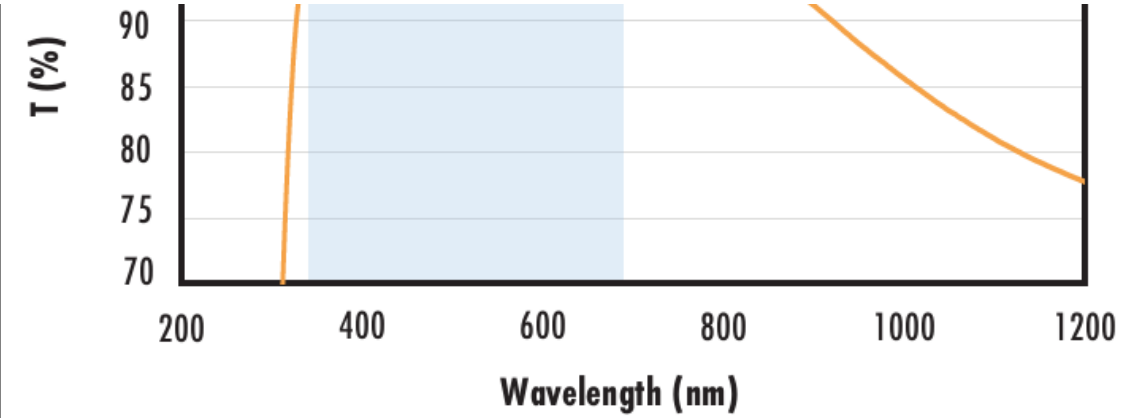
Les Lentilles Plan-Convexes (PCX) en Silice Fondue UV Traitées NIR-II TECHSPEC® présentent des spécifications de précision et une variété d'options de traitement sur un substrat à large bande. La silice fondue est couramment utilisée dans des applications allant de l'ultraviolet (UV) au proche infrarouge (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

Uncoated Fused Silica
Typical Transmission

	Typical transmission of a 3mm thick, uncoated fused silica window across the UV - NIR spectra. Click Here to Download Data
Fused Silica with MgF₂ Coating Typical Transmission 	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 wavelength range, with the following specification: $R_{avg} \leq 1.75\% @ 400 - 700\text{nm (N-BK7)}$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
Fused Silica with UV-AR Coating Typical Transmission 	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 wavelength range, with the following specification: $R_{abs} \leq 1.0\% @ 250 - 425\text{nm}$ $R_{avg} \leq 0.75\% @ 250 - 425\text{nm}$ $R_{avg} \leq 0.5\% @ 370 - 420\text{nm}$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
Fused Silica with UV-VIS Coating Typical Transmission 	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 wavelength range, with the following specification: $R_{abs} \leq 1.0\% @ 350 - 450\text{nm}$ $R_{avg} \leq 1.5\% @ 250 - 700\text{nm}$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
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.



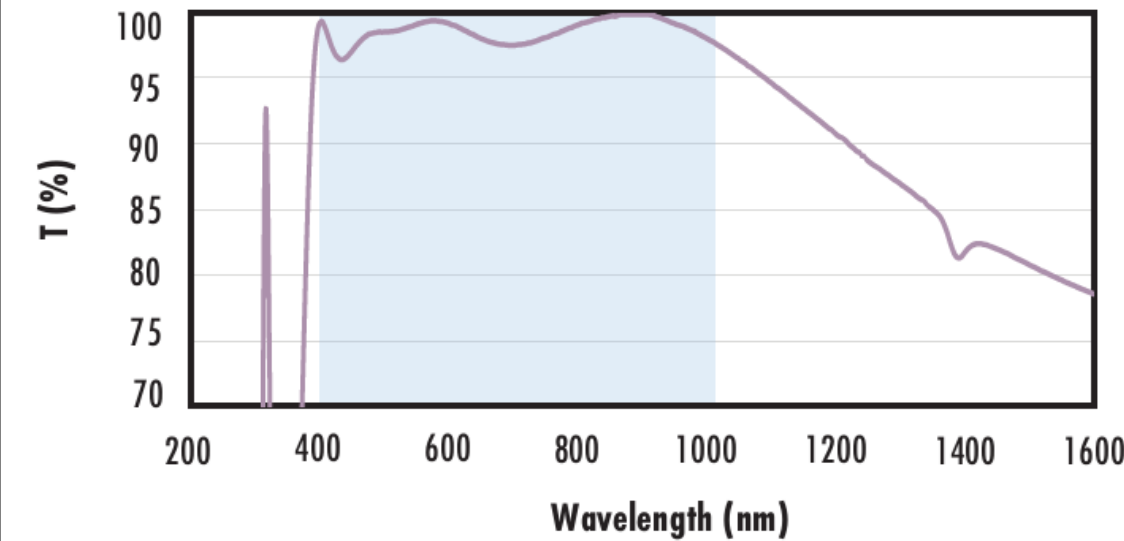
The blue shaded region indicates the coating design wavelength range, with the following specification:

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

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

[Click Here to Download Data](#)

**Fused Silica with VIS-NIR Coating
Typical Transmission**



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 wavelength range, with the following specification:

$$R_{abs} \leq 0.25\% \text{ @ } 880\text{nm}$$

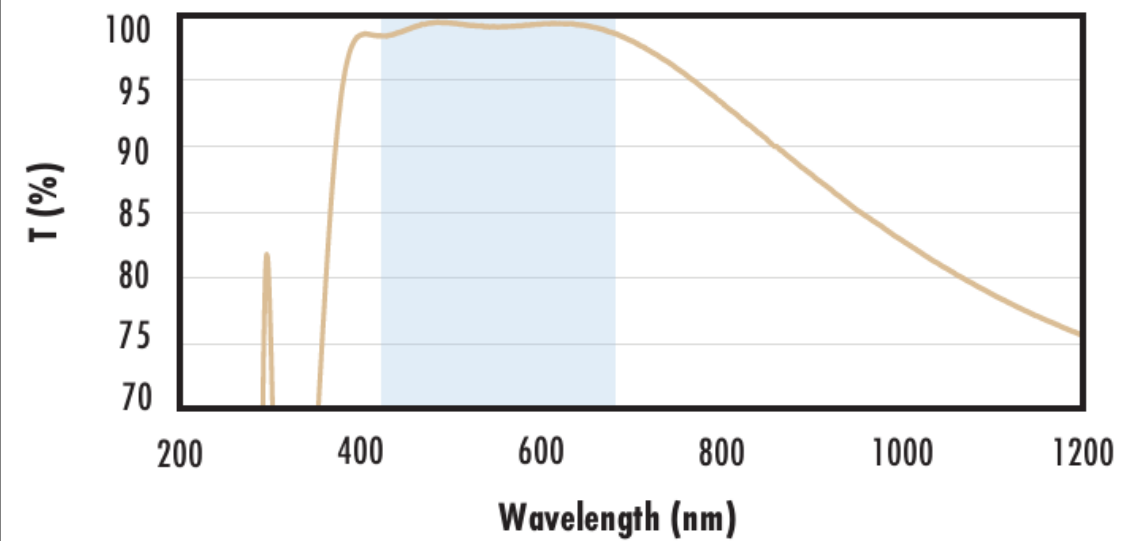
$$R_{avg} \leq 1.25\% \text{ @ } 400 - 870\text{nm}$$

$$R_{avg} \leq 1.25\% \text{ @ } 890 - 1000\text{nm}$$

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

[Click Here to Download Data](#)

**Fused Silica with VIS 0° Coating
Typical Transmission**



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

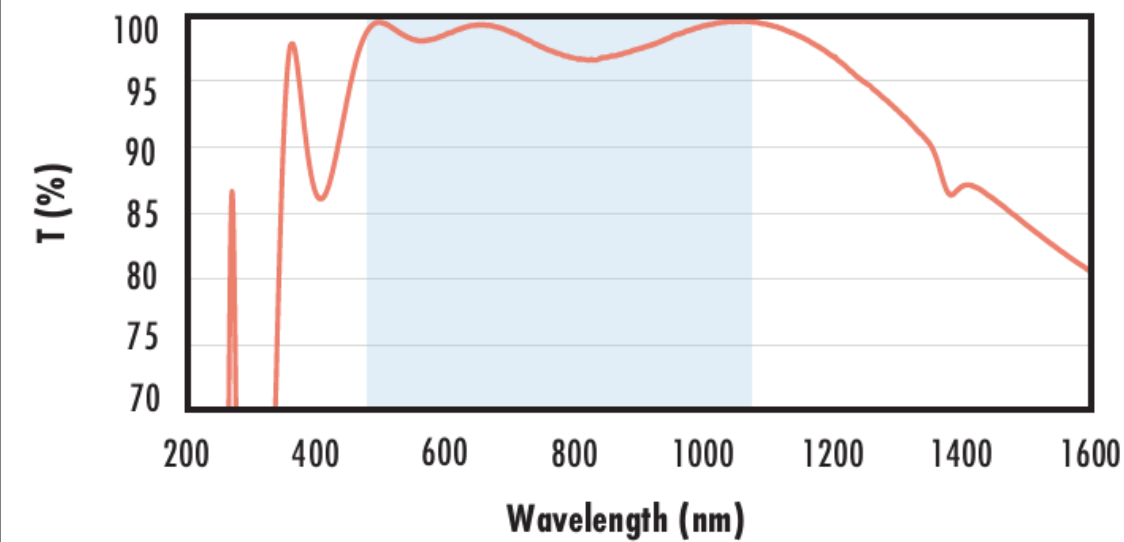
The blue shaded region indicates the coating design wavelength range, with the following specification:

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

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

[Click Here to Download Data](#)

**Fused Silica with YAG-BBAR Coating
Typical Transmission**



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 wavelength range, with the following specification:

$$R_{abs} \leq 0.25\% \text{ @ } 532\text{nm}$$

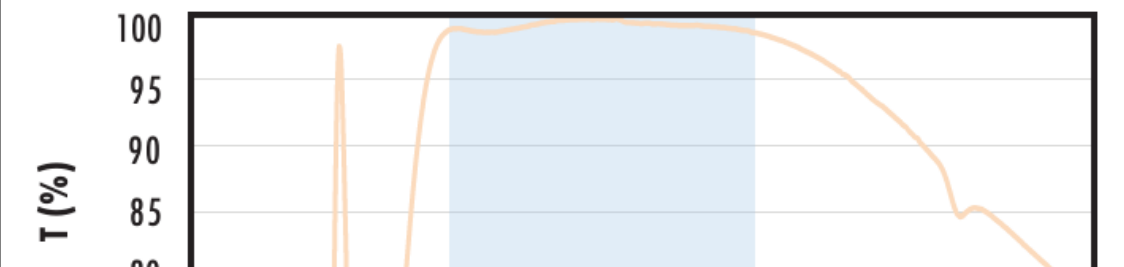
$$R_{abs} \leq 0.25\% \text{ @ } 1064\text{nm}$$

$$R_{avg} \leq 1.0\% \text{ @ } 500 - 1100\text{nm}$$

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

[Click Here to Download Data](#)

**Fused Silica with NIR I Coating
Typical Transmission**

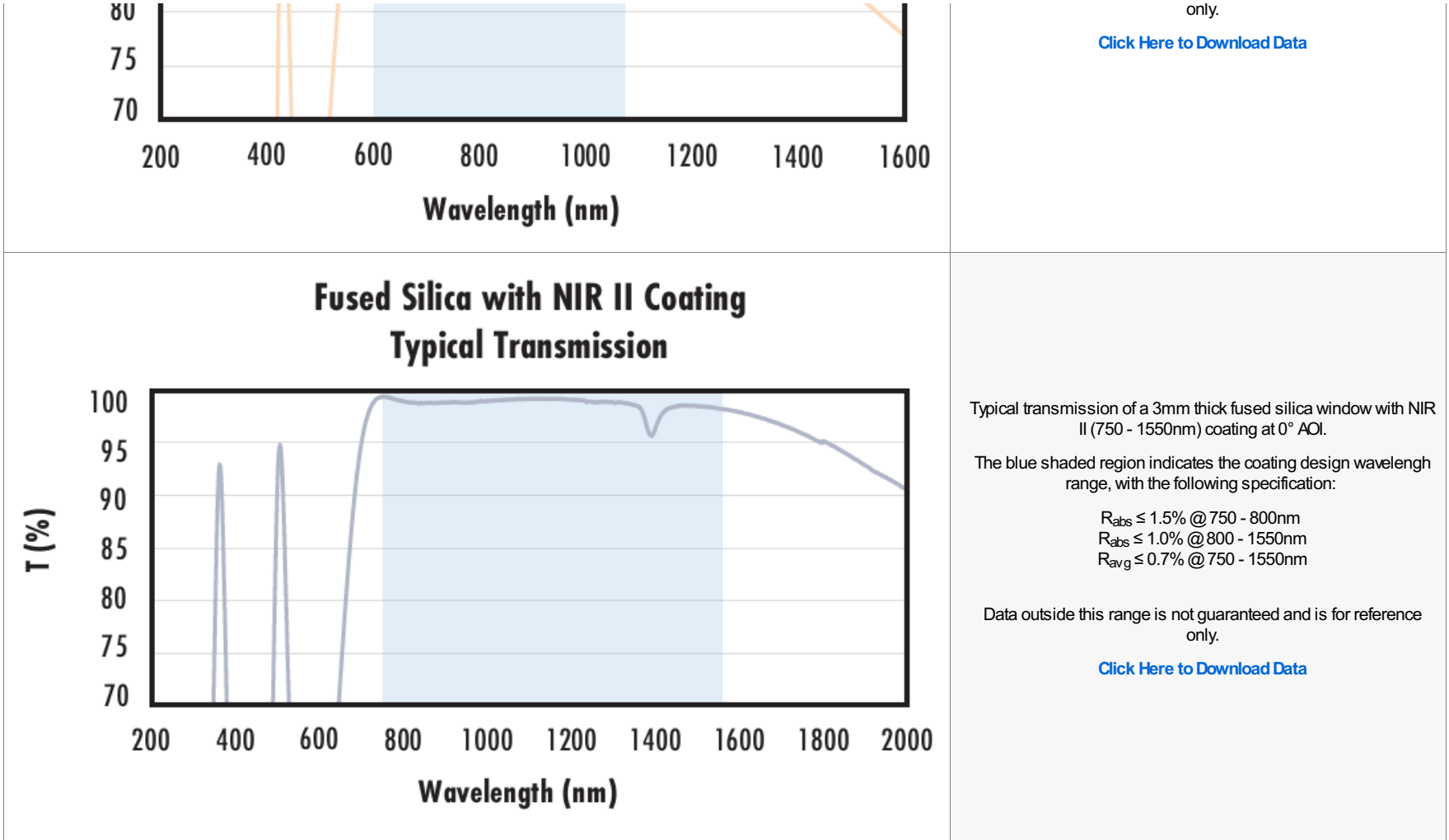


Typical transmission of a 3mm thick fused silica window with NIR I (600 - 1050nm) coating at 0° AOI.

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

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

Data outside this range is not guaranteed and is for reference



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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