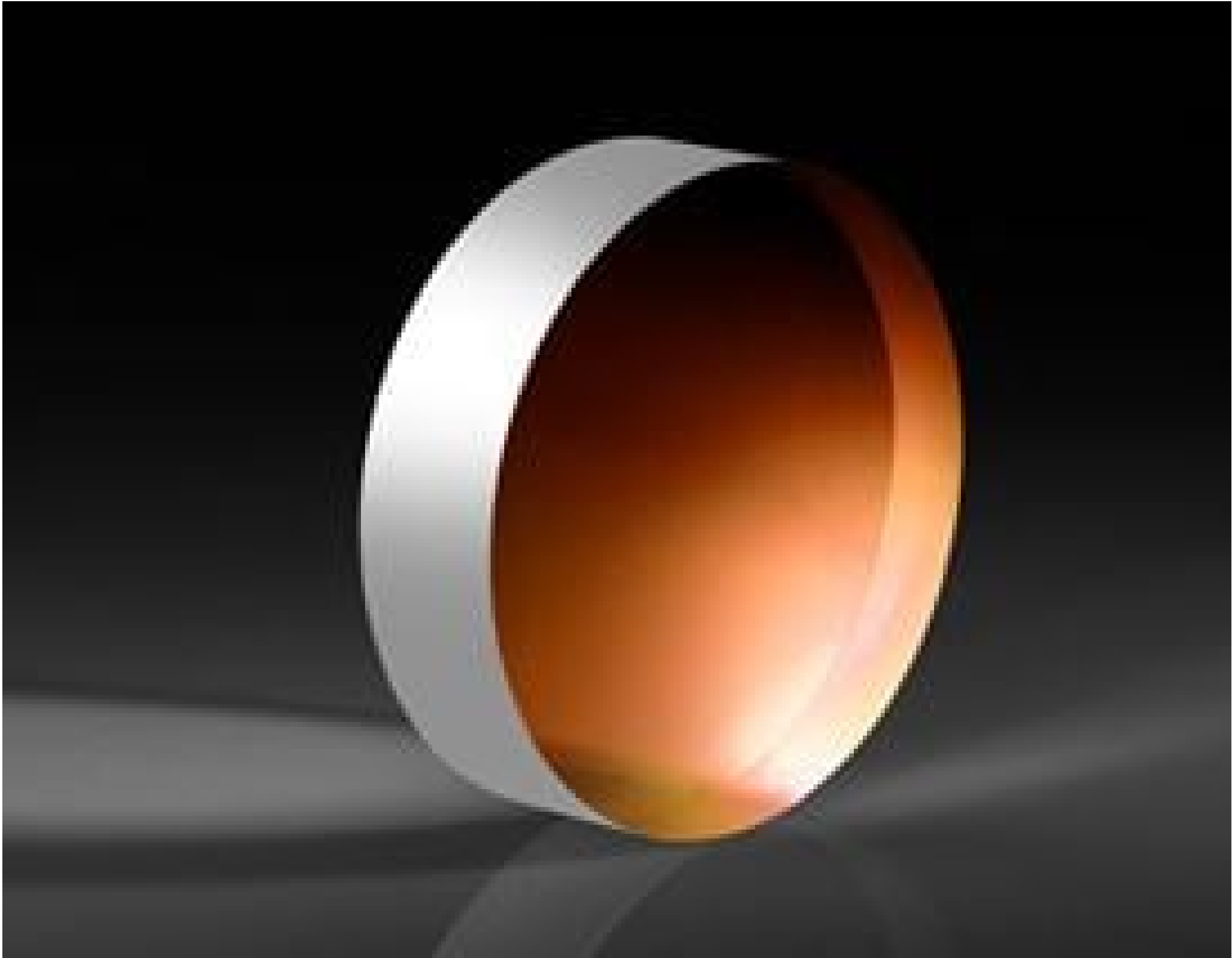


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TECHSPEC®

Fenêtre en Silice Fondue $\lambda/10$, Non Traitée, 50,8 mm de Dia., 5 mm d'Épaisseur



Stock **#15-404** 20+ In Stock

-

1

+

€280^{.00}

AJOUTER AU PANIER

Prix sur Quantité	
Qté 1-5	€280,00 prix unitaire
Qté 6-25	€223,00 prix unitaire
Qté 26-49	€209,00 prix unitaire
Need More?	Demande de Devis

ⓘ Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

Caractéristiques du produit

Protective Window

Type:

Propriétés physiques et mécaniques

Protective as needed

Biseau:

80

Ouverture Utile (%):

40.64	Ouverture Utile CA (mm):
50.80 +0.00/-0.20	Diamètre (mm):
5.00 ±0.10	Épaisseur (mm):
Fine Ground	Bords:
522.00	Dureté de Knoop (kg/mm²):
<5	Parallélisme (arcsec):
0.16	Rapport de Poisson:
73	Module d'Élasticité de Young (GPa):

Propriétés optiques

67.8	Nombre d'Abbe (v _d):
Uncoated	Traitement:
1.458	Indice de Réfraction (n _d):
Fused Silica (Corning 7980)	Substrat:
20-10	Qualité de Surface:
λ/10	Front d'Onde Transmis, P-V:

200 - 2200	Gamme de Longueur d'Onde (nm):
------------	--------------------------------

Propriétés des matériaux

0.52 (+5 to +35°C) 0.57 (0 to +200°C) 0.48 (-100 to +200°C)	Coefficient d'Expansion Thermique CTE (10 ⁻⁶ /°C):
2.20	Densité (g/cm³):

Conformité réglementaire

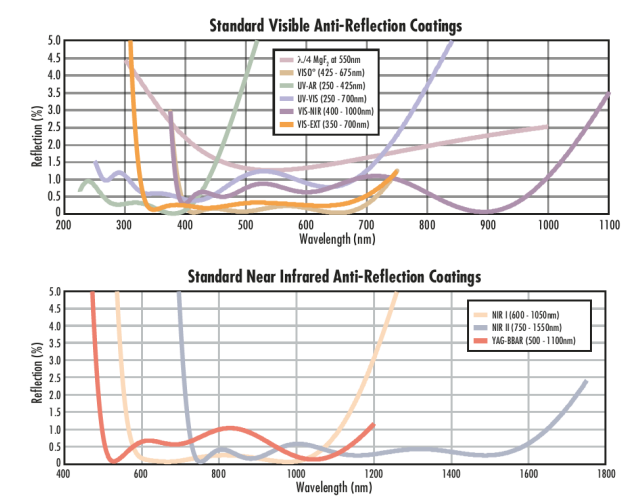
Visionner	Certificate of Conformance:
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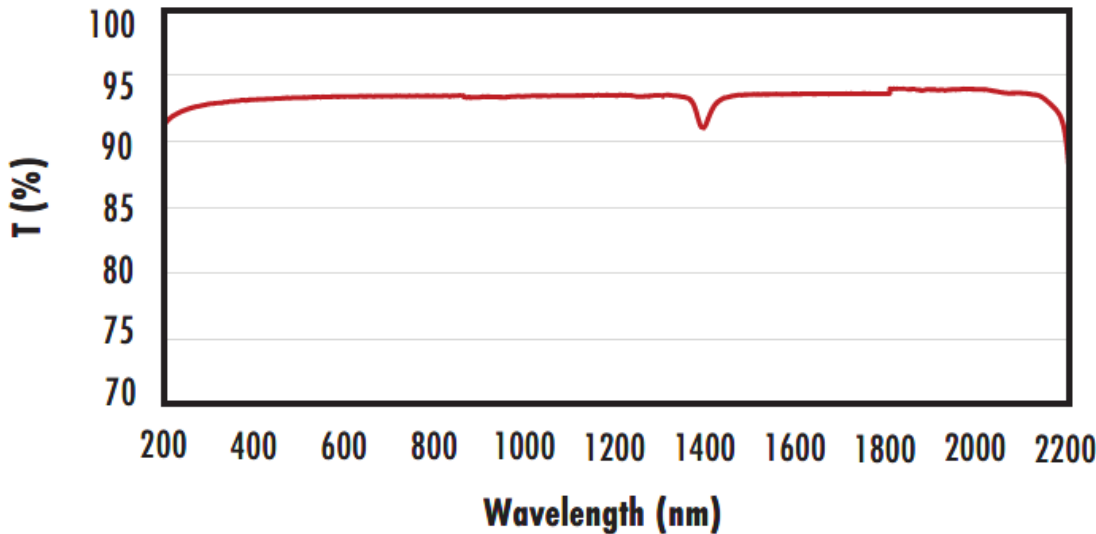
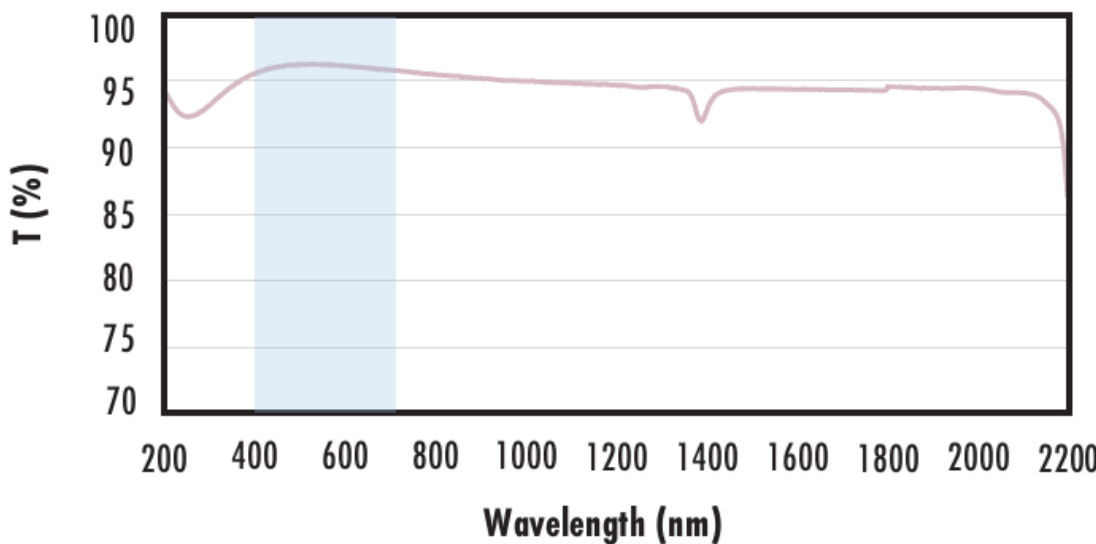
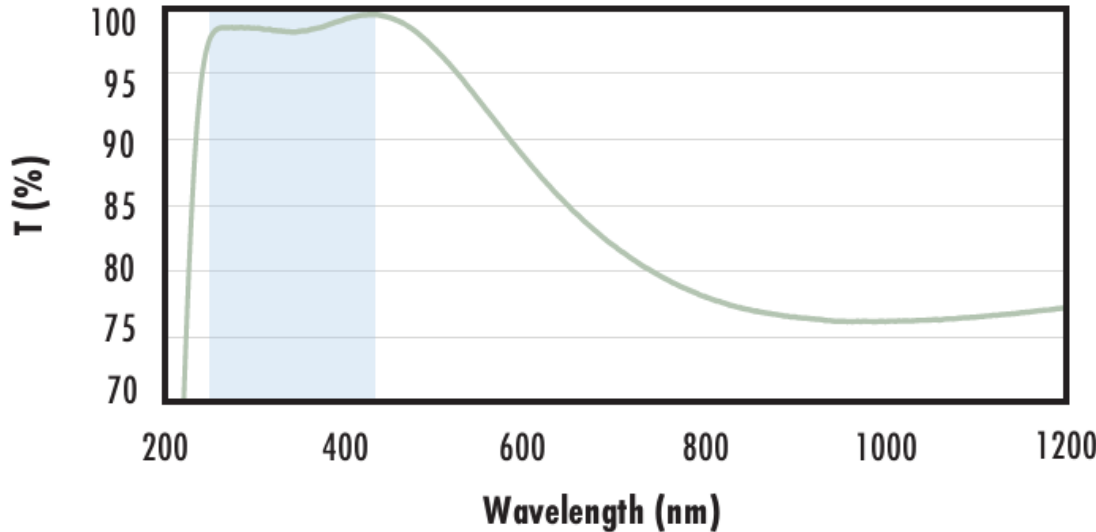
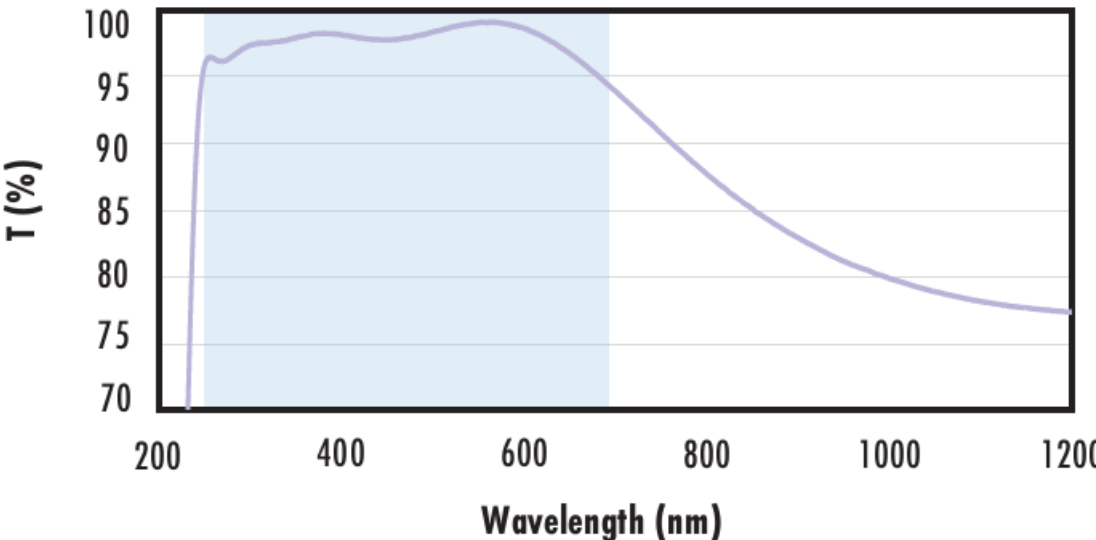
Description produit

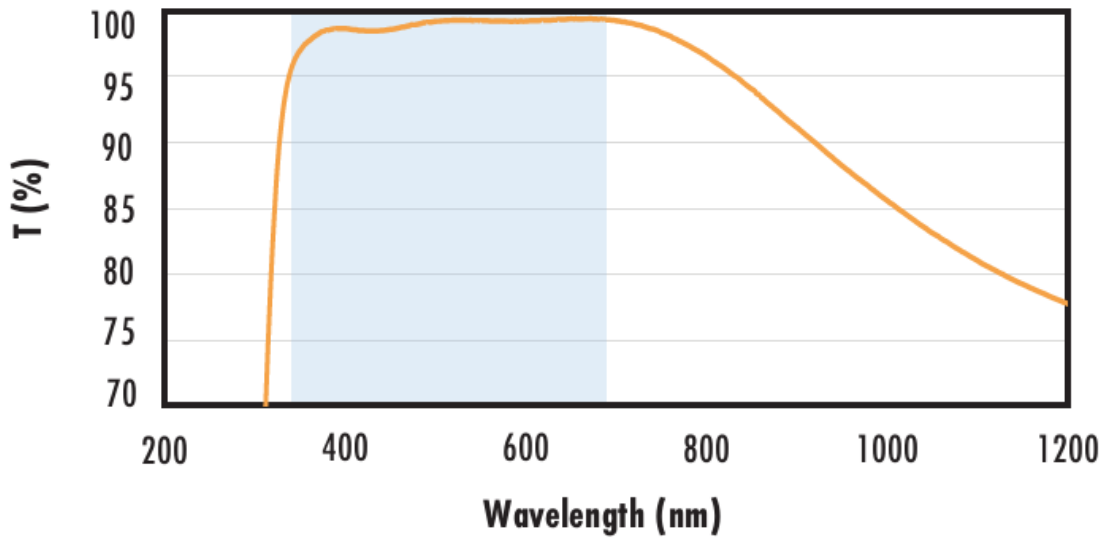
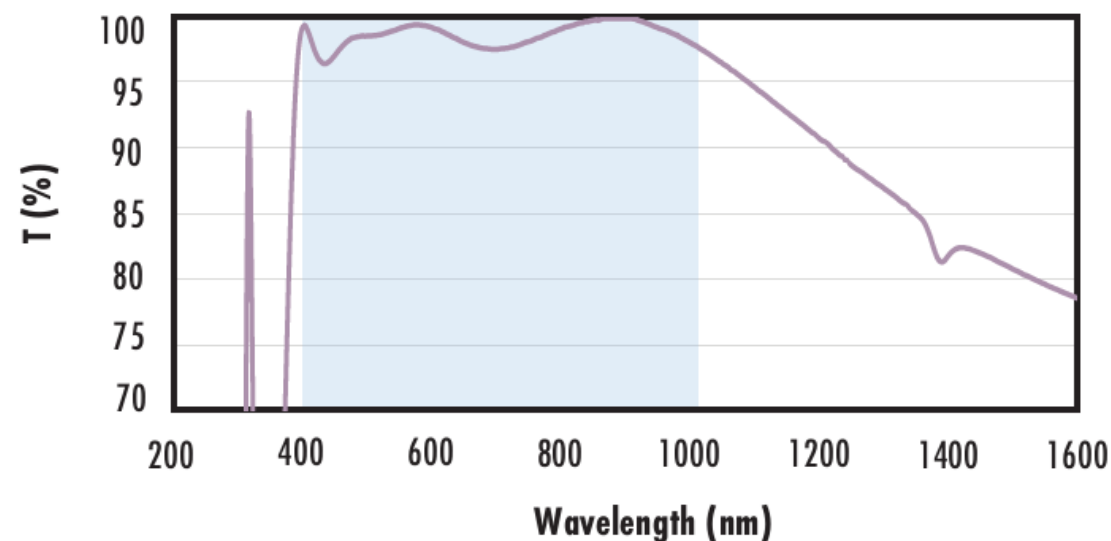
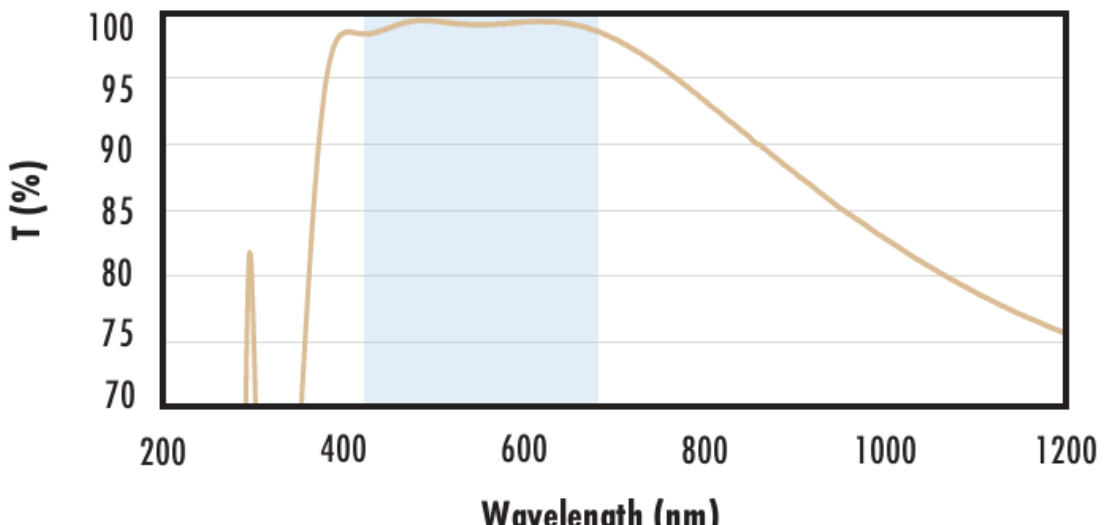
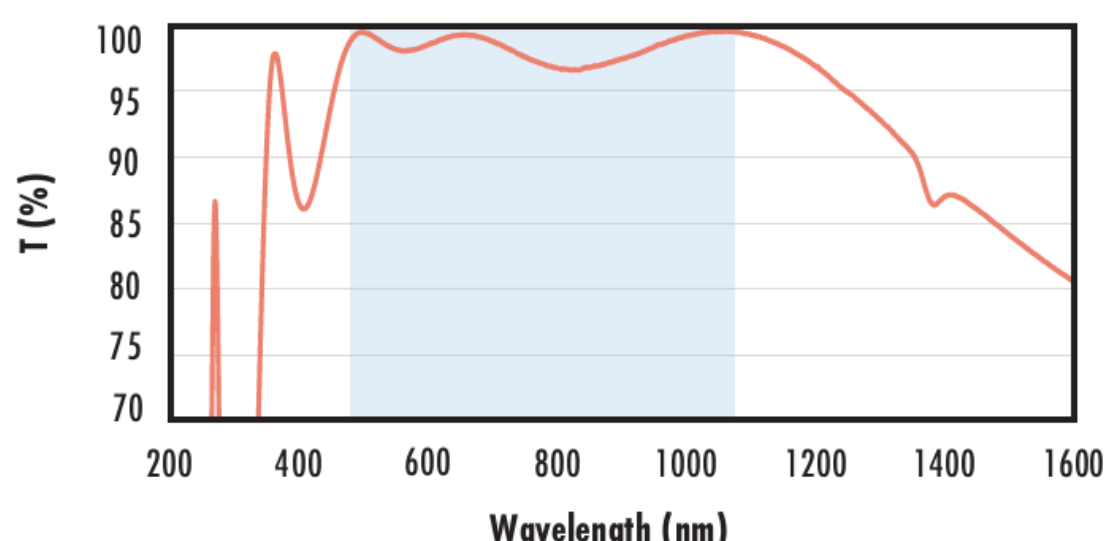
- Versions traitées antireflets UV-VIS et UV disponibles
- Distorsion du front d'onde transmis λ/10
- Dimensions allant de 5 à 150 mm de diamètre
- Fenêtres en Silice Fondue **1λ** ou **λ/4** également disponibles

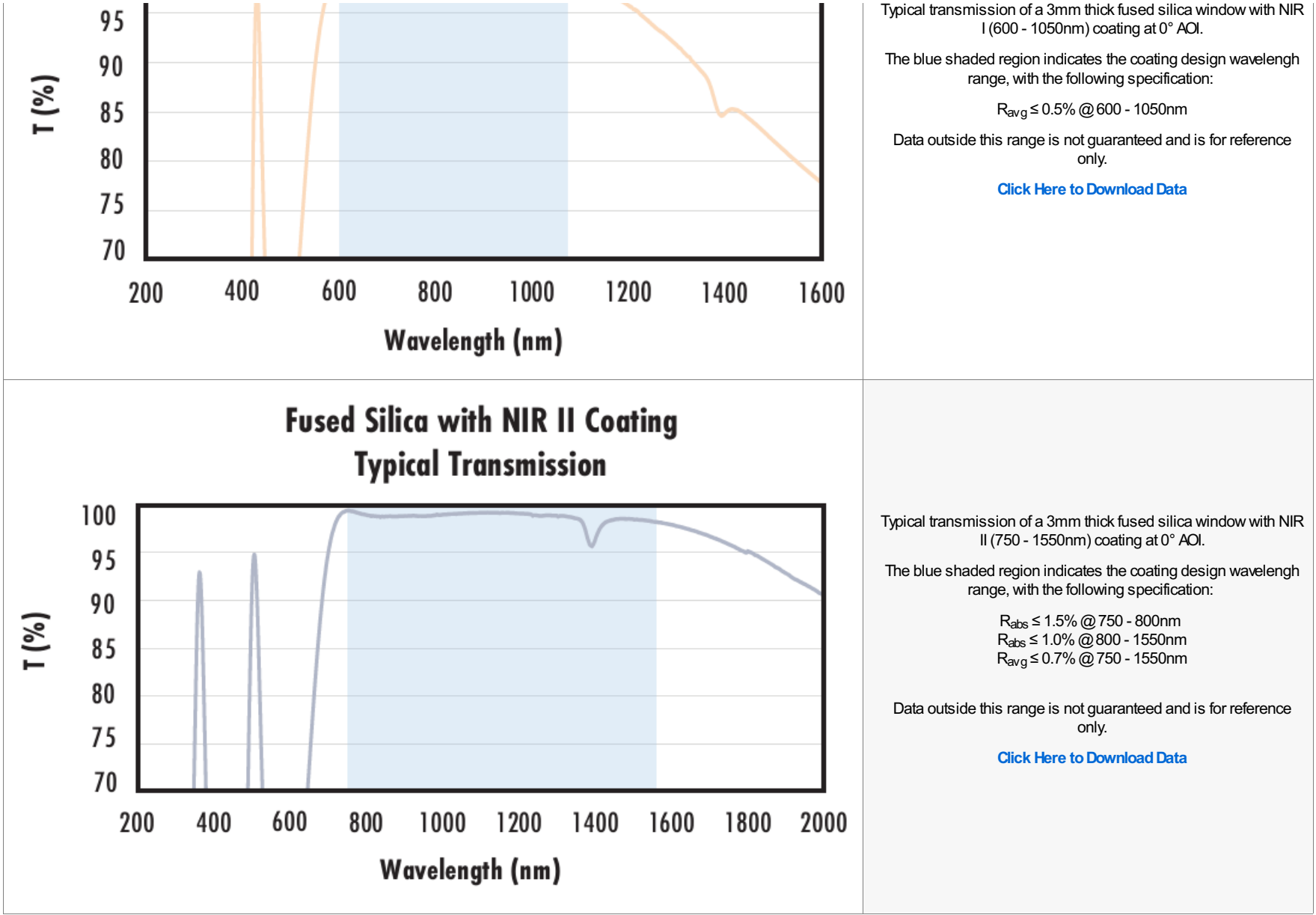
Nos Fenêtres λ/10 en Silice Fondue UV TECHSPEC® se caractérisent par un parallélisme et une qualité de surface indice laser. Par ailleurs, ces fenêtres limiteront la distorsion du front d'onde transmis à λ/10. Les caractéristiques de transmission supérieures, les excellentes propriétés thermiques et 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



Uncoated Fused Silica Typical Transmission <table><caption>Approximate data for Uncoated Fused Silica</caption><tr><th>Wavelength (nm)</th><th>Transmission T (%)</th></tr><tr><td>200</td><td>92.5</td></tr><tr><td>400</td><td>93.5</td></tr><tr><td>600</td><td>94.0</td></tr><tr><td>800</td><td>94.0</td></tr><tr><td>1000</td><td>94.0</td></tr><tr><td>1200</td><td>94.0</td></tr><tr><td>1400</td><td>92.0</td></tr><tr><td>1600</td><td>94.0</td></tr><tr><td>1800</td><td>94.5</td></tr><tr><td>2000</td><td>94.5</td></tr><tr><td>2200</td><td>90.0</td></tr></table>	Wavelength (nm)	Transmission T (%)	200	92.5	400	93.5	600	94.0	800	94.0	1000	94.0	1200	94.0	1400	92.0	1600	94.0	1800	94.5	2000	94.5	2200	90.0	Typical transmission of a 3mm thick, uncoated fused silica window across the UV - NIR spectra. Click Here to Download Data
Wavelength (nm)	Transmission T (%)																								
200	92.5																								
400	93.5																								
600	94.0																								
800	94.0																								
1000	94.0																								
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1400	92.0																								
1600	94.0																								
1800	94.5																								
2000	94.5																								
2200	90.0																								
Fused Silica with MgF₂ Coating Typical Transmission <table><caption>Approximate data for MgF2 Coated Fused Silica</caption><tr><th>Wavelength (nm)</th><th>Transmission T (%)</th></tr><tr><td>200</td><td>94.0</td></tr><tr><td>400</td><td>97.0</td></tr><tr><td>600</td><td>97.5</td></tr><tr><td>800</td><td>96.5</td></tr><tr><td>1000</td><td>96.0</td></tr><tr><td>1200</td><td>95.5</td></tr><tr><td>1400</td><td>93.0</td></tr><tr><td>1600</td><td>95.5</td></tr><tr><td>1800</td><td>95.5</td></tr><tr><td>2000</td><td>95.5</td></tr><tr><td>2200</td><td>90.0</td></tr></table>	Wavelength (nm)	Transmission T (%)	200	94.0	400	97.0	600	97.5	800	96.5	1000	96.0	1200	95.5	1400	93.0	1600	95.5	1800	95.5	2000	95.5	2200	90.0	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
Wavelength (nm)	Transmission T (%)																								
200	94.0																								
400	97.0																								
600	97.5																								
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Fused Silica with UV-AR Coating Typical Transmission <table><caption>Approximate data for UV-AR Coated Fused Silica</caption><tr><th>Wavelength (nm)</th><th>Transmission T (%)</th></tr><tr><td>200</td><td>70.0</td></tr><tr><td>250</td><td>99.0</td></tr><tr><td>400</td><td>100.0</td></tr><tr><td>600</td><td>90.0</td></tr><tr><td>800</td><td>78.0</td></tr><tr><td>1000</td><td>76.0</td></tr><tr><td>1200</td><td>77.0</td></tr></table>	Wavelength (nm)	Transmission T (%)	200	70.0	250	99.0	400	100.0	600	90.0	800	78.0	1000	76.0	1200	77.0	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								
Wavelength (nm)	Transmission T (%)																								
200	70.0																								
250	99.0																								
400	100.0																								
600	90.0																								
800	78.0																								
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Fused Silica with UV-VIS Coating Typical Transmission <table><caption>Approximate data for UV-VIS Coated Fused Silica</caption><tr><th>Wavelength (nm)</th><th>Transmission T (%)</th></tr><tr><td>200</td><td>70.0</td></tr><tr><td>250</td><td>97.0</td></tr><tr><td>400</td><td>99.0</td></tr><tr><td>600</td><td>100.0</td></tr><tr><td>800</td><td>85.0</td></tr><tr><td>1000</td><td>80.0</td></tr><tr><td>1200</td><td>77.0</td></tr></table>	Wavelength (nm)	Transmission T (%)	200	70.0	250	97.0	400	99.0	600	100.0	800	85.0	1000	80.0	1200	77.0	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								
Wavelength (nm)	Transmission T (%)																								
200	70.0																								
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600	100.0																								
800	85.0																								
1000	80.0																								
1200	77.0																								
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: $R_{avg} \leq 0.5\%$ @ 350 - 700nm 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: $R_{abs} \leq 0.25\%$ @ 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. 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: $R_{avg} \leq 0.4\%$ @ 425 - 675nm 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: $R_{abs} \leq 0.25\%$ @ 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. Click Here to Download Data
Fused Silica with NIR I Coating Typical Transmission 	



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