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TECHSPEC[®] 25mm de Dia. x -50mm FL, traité UV-AR, Lentille PCV UV



UV Fused Silica Plano-Concave (PCV) Lenses



Stock **#48-321** 10 In Stock

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-

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

Plano-Concave Lens

Type:

Max. Flat Annulus is 0.3mm

Remarque:

Propriétés physiques et mécaniques	
25.00 +0.0/-0.025	Diamètre (mm):
2.00	Épaisseur Centrale CT (mm):
±0.10	Tolérance Épaisseur Centrale (mm):
<1	Centrage (arcmin):
24	Ouverture Utile CA (mm):
5.52	Épaisseur au Bord ET (mm):

Propriétés optiques	
-50.00	Distance Focale EFL (mm):
Fused Silica (Corning 7980)	Substrat: ☐
2.00	f/#:
0.25	Ouverture Numérique NA:
UV-AR (250-425nm)	Traitement:
250 - 425	Gamme de Longueur d'Onde (nm):
-51.37	Distance Focale Arrière BFL (mm):
R _{abs} ≤1.0% @ 250 - 425nm R _{avg} ≤0.75% @ 250 - 425nm R _{avg} ≤0.5% @ 370 - 420nm	Spécification du Traitement:
587.6	Longueur d'Onde à la Focale Donnée (nm):
±1	Tolérance Distance Focale (%):
-22.92	Rayon R ₁ (mm):
40-20	Qualité de Surface:
3 J/cm² @ 355nm, 10ns	Damage Threshold, Reference: ☐
1.5λ	Power (P-V) @ 632.8nm:
λ/4	Irregularity (P-V) @ 632.8nm:

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

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

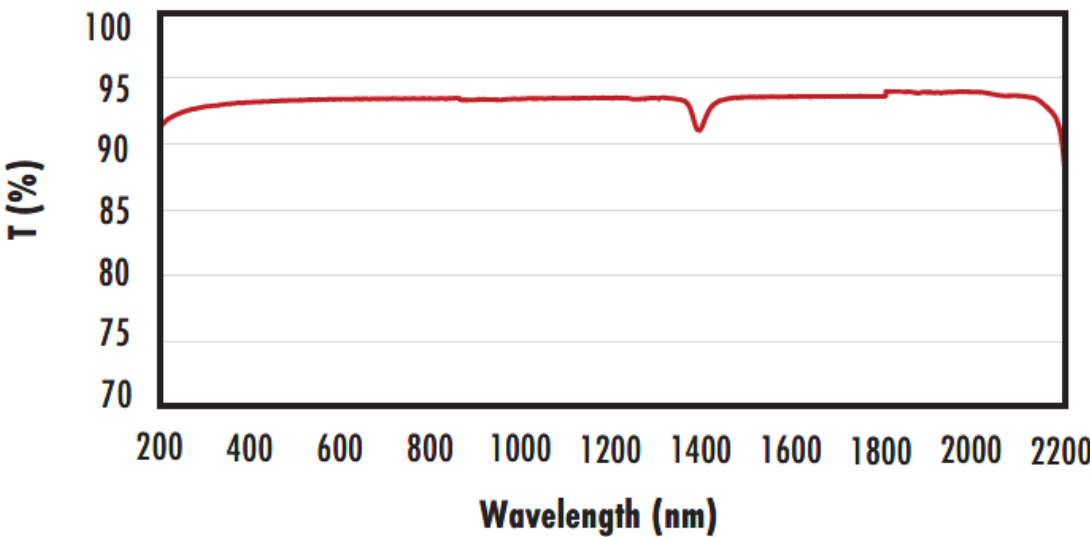


UV FS Transmission Curve



FUSED SILICA

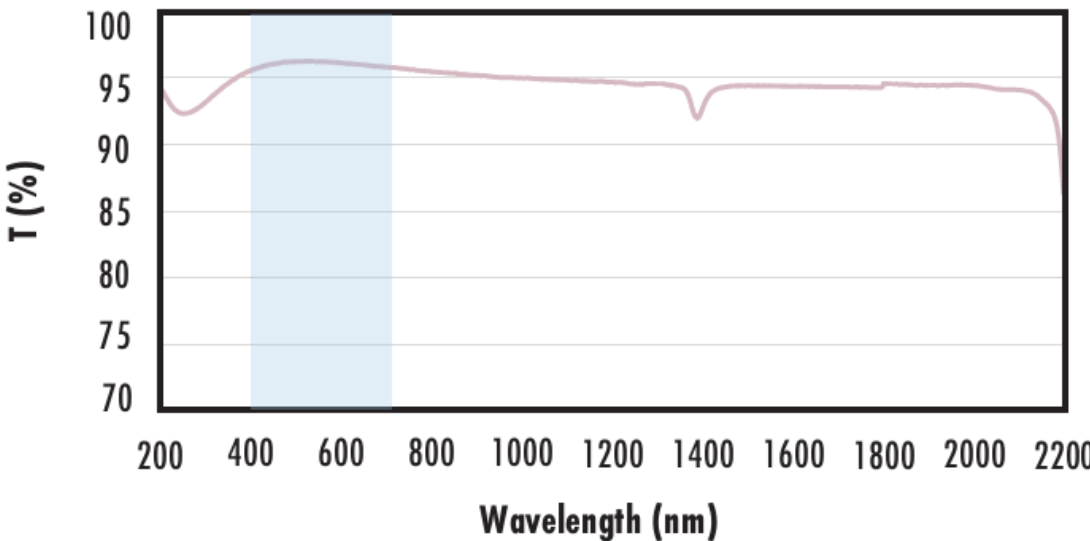
Uncoated Fused Silica
Typical Transmission



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.

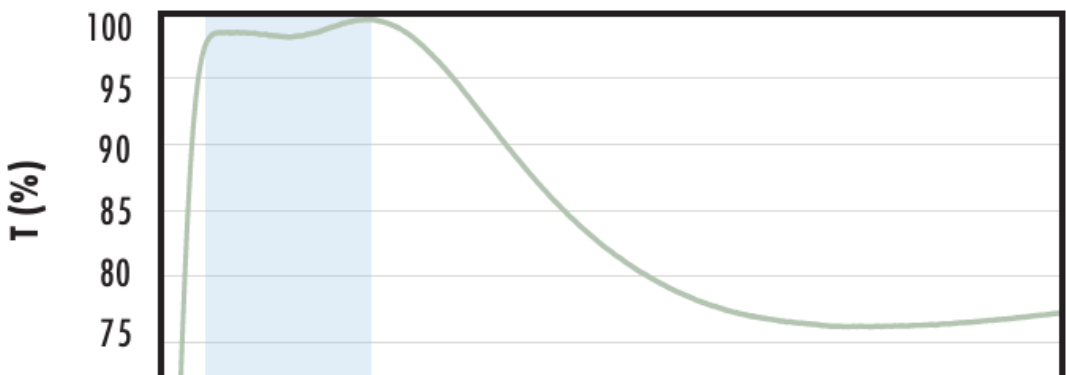
The blue shaded region indicates the coating design wavelength range, with the following specification:

$R_{avg} \leq 1.75\%$ @ 400 - 700nm (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 - 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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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\% \text{ @ } 350 - 450\text{nm}$$R_{avg} \leq 1.5\% \text{ @ } 250 - 700\text{nm}$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
Fused Silica with VIS-EXT Coating Typical Transmission 	Typical transmission of a 3mm thick fused silica window with VIS-EXT (350-700nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{avg} \leq 0.5\% \text{ @ } 350 - 700\text{nm}$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
Fused Silica with VIS-NIR Coating Typical Transmission 	Typical transmission of a 3mm thick fused silica window with VIS-NIR (400-1000nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{abs} \leq 0.25\% \text{ @ } 880\text{nm}$$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

Wavelength (nm) Fused Silica with YAG-BBAR Coating Typical Transmission <table border="1"><caption>Approximate data for Fused Silica with YAG-BBAR Coating</caption><thead><tr><th>Wavelength (nm)</th><th>Transmission T (%)</th></tr></thead><tbody><tr><td>200</td><td>85</td></tr><tr><td>300</td><td>98</td></tr><tr><td>400</td><td>86</td></tr><tr><td>500</td><td>100</td></tr><tr><td>600</td><td>99</td></tr><tr><td>800</td><td>97</td></tr><tr><td>1000</td><td>100</td></tr><tr><td>1200</td><td>98</td></tr><tr><td>1400</td><td>87</td></tr><tr><td>1600</td><td>80</td></tr></tbody></table>	Wavelength (nm)	Transmission T (%)	200	85	300	98	400	86	500	100	600	99	800	97	1000	100	1200	98	1400	87	1600	80	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		
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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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Montures compatibles