

TECHSPEC[®]

Plankonkave Linse aus UV-Quarzglas, 25 mm D. x -50 mm eff. Brennweite, UV-AR-beschichtet



UV Fused Silica Plano-Concave (PCV) Lenses



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

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1

+

€164^{.00}

+ WARENKORB

Mengenrabatte	
Stk. 1-5	€164,00 stückpreis
Stk. 6-25	€132,00 stückpreis
Stk. 26-49	€123,00 stückpreis
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Preise exklusiv der geltenden Mehrwertsteuer und Abgaben

Downloadbereich

Produktdetails

Typ:

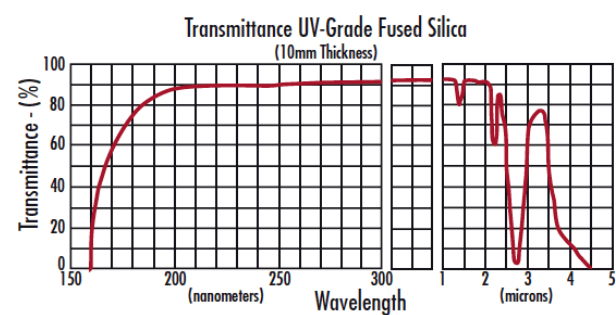
Plano-Concave Lens	
Max. Flat Annulus is 0.3mm	Hinweis:
Physikalische und mechanische Eigenschaften	
Durchmesser (mm):	25.00 +0.0/-0.025
Mittendicke CT (mm):	2.00
Toleranz Mittendicke (mm):	±0.10
Zentrierung (Bogenminuten):	<1
Freie Apertur CA (mm):	24
Randdicke ET (mm):	5.52
Optische Eigenschaften	
Effektive Brennweite EFL (mm):	-50.00
Substrat: ☐	Fused Silica (Corning 7980)
Blende:	2.00
Numerische Apertur NA:	0.25
Beschichtung:	UV-AR (250-425nm)
Wellenlängenbereich (nm):	250 - 425
Hintere Brennweite BFL (mm):	-51.37
Beschichtungsspezifikation:	R _{abs} ≤1.0% @ 250 - 425nm R _{avg} ≤0.75% @ 250 - 425nm R _{avg} ≤0.5% @ 370 - 420nm
Designwellenlänge Brennweite (nm):	587.6
Toleranz Brennweite (%):	±1
Radius R ₁ (mm):	-22.92
Oberflächenqualität:	40-20
Zerstörschwelle, Referenz: ☐	3 J/cm ² @ 355nm, 10ns
Power (P-V) @ 632,8 nm:	1.5λ
Unregelmäßigkeit (P-V) @ 632,8 nm:	λ/4

Konformität mit Standards	
RoHS 2015:	Konform
Konformitätszertifikat:	Anzeigen
Reach 235:	Konform

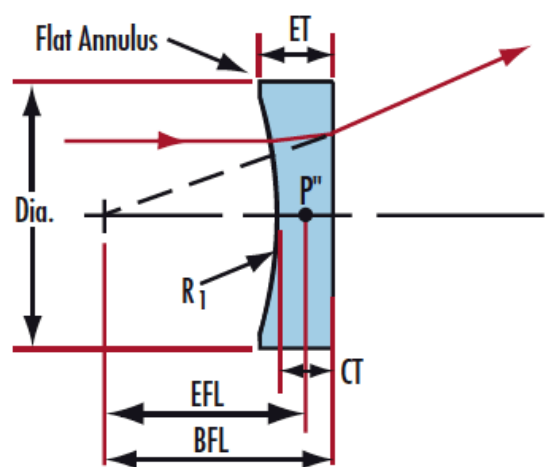
Produktdetails

- Negative Brennweiten zur Strahlaufweitung oder Lichtprojektion
 - Wellenlängenbereich von 200 - 2200 nm
 - UV-AR-Beschichtungen verfügbar
- Diese hochqualitativen optischen Elemente werden mit CNC-Maschinen nach dem neuesten Stand der Technik gefertigt. Die UV-Linsen werden aus synthetischem Quarzglas hergestellt. Zusätzlich zur exzellenten Transmission und hohen Temperaturbeständigkeit, bieten die Linsen eine besonders hohe chemische Reinheit. Diese Linsen sind die ideale Wahl für viele Laseranwendungen und bildgebende Anwendungen, besonders im UV-Bereich. Die breitbandige Antireflexbeschichtung ermöglicht eine höhere Transmission im UV-Bereich.

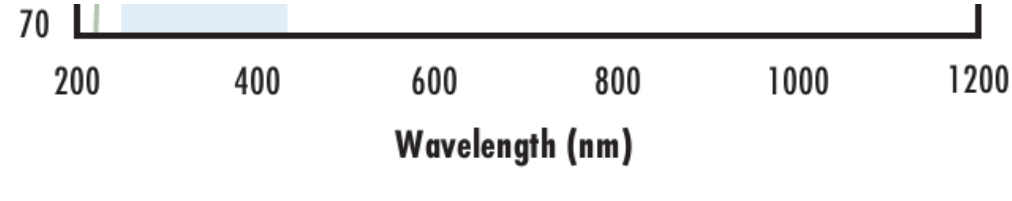
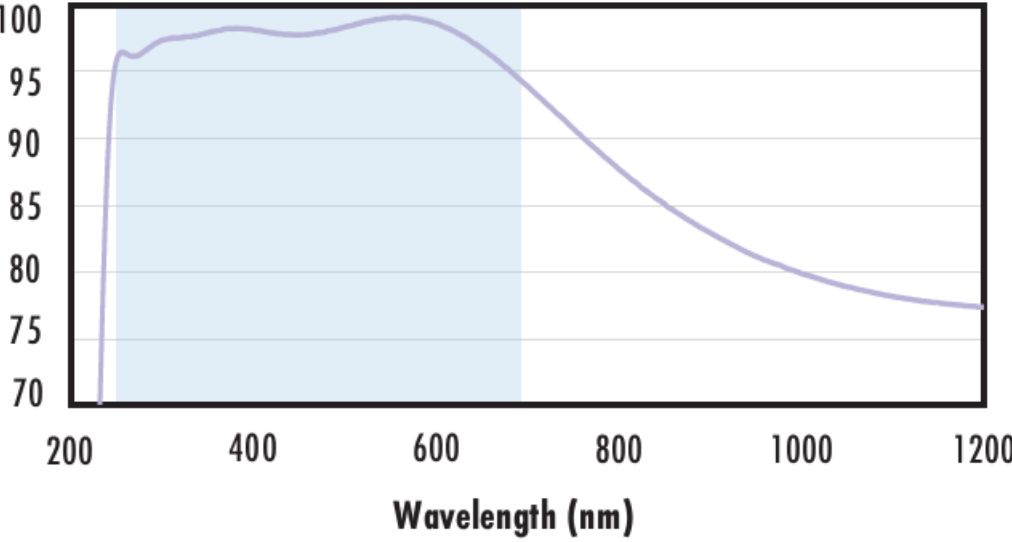
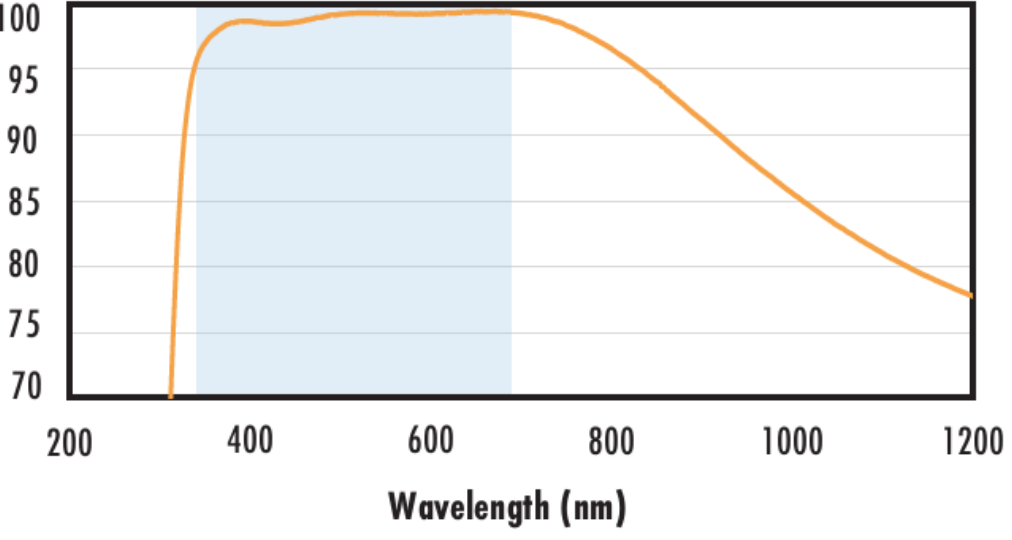
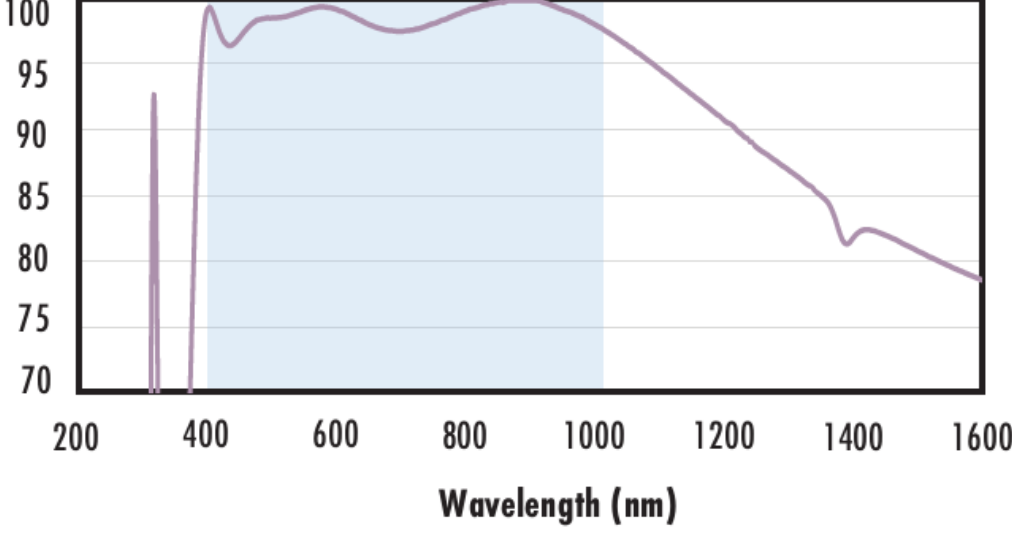
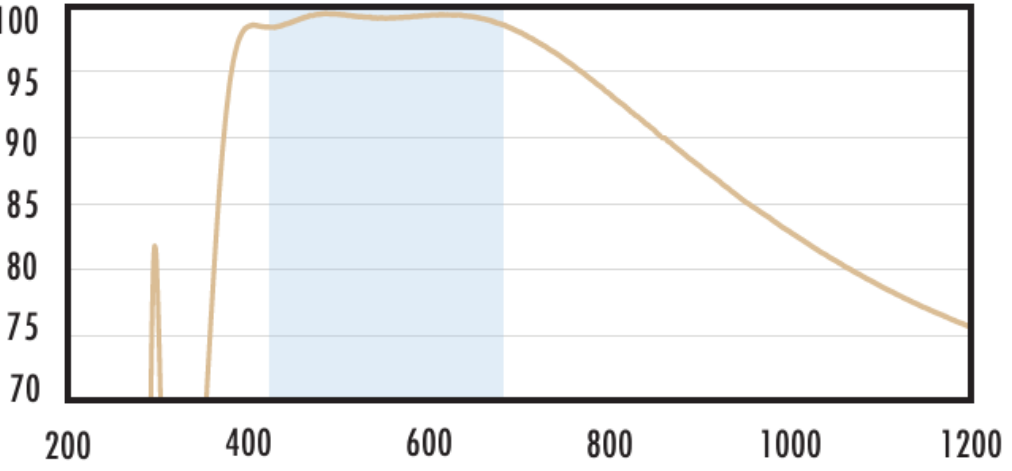
Technische Informationen



UV FS Transmission Curve



FUSED SILICA	
Uncoated Fused Silica Typical Transmission The graph shows the typical transmission of a 3mm thick, uncoated fused silica window. The y-axis is Transmittance T (%) from 70 to 100. The x-axis is Wavelength (nm) from 200 to 2200. The curve is relatively flat at approximately 94% transmittance from 200 to 1400 nm, with a small dip at 1400 nm, then rises slightly to about 95% between 1800 and 2000 nm, before dropping sharply after 2000 nm.	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 The graph shows the typical transmission of a 3mm thick fused silica window with a MgF₂ (400-700nm) coating. The y-axis is Transmittance T (%) from 70 to 100. The x-axis is Wavelength (nm) from 200 to 2200. The curve shows a peak in transmittance (around 97%) in the blue shaded region (400-700 nm), then a slight dip at 1400 nm, followed by a rise to about 95% between 1800 and 2000 nm, and a final drop after 2000 nm.	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 The graph shows the typical transmission of a 3mm thick fused silica window with a UV-AR (250-425nm) coating. The y-axis is Transmittance T (%) from 75 to 100. The x-axis is Wavelength (nm) from 200 to 2200. The curve shows a sharp rise to about 98% transmittance in the blue shaded region (250-425 nm), then a gradual decline to about 75% at 2000 nm, and a slight rise to about 77% at 2200 nm.	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\% \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

