

TECHSPEC[®] Plankonvexe Linse, 18 mm D. x 30 mm BW, MgF₂-beschichtet



Produkt **#38-252** **5 In Stock**

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-

1

+

€37⁰⁸

+ WARENKORB

Mengenrabatte	
Stk. 1-9	€37,08 stückpreis
Stk. 10-24	€33,22 stückpreis
Stk. 25-49	€29,61 stückpreis
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Preise exklusiv der geltenden Mehrwertsteuer und Abgaben

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SPEZIFIKATIONEN

Produktdetails

Plano-Convex Lens		Typ:
Physikalische und mechanische Eigenschaften		
Durchmesser (mm):		18.00 +0.0/-0.025
Zentrierung (Bogenminuten):		<1
Mittendicke CT (mm):		4.40 ±0.10
Randdicke ET (mm):		1.52
Freie Apertur CA (mm):		17
Fase:		Protective as needed
Optische Eigenschaften		
Effektive Brennweite EFL (mm):		30.00 @ 587.6nm
Hintere Brennweite BFL (mm):		27.10
Beschichtung:		MgF ₂ (400-700nm)
Beschichtungsspezifikation:		R _{avg} ≤ 1.75% @ 400 - 700nm
Substrat: ☐		N-BK7
Oberflächenqualität:		40-20
Power (P-V) @ 632,8 nm:		1.5λ
Unregelmäßigkeit (P-V) @ 632,8 nm:		λ/4
Toleranz Brennweite (%):		±1
Radius R ₁ (mm):		15.51
Blende:		1.67
Numerische Apertur NA:		0.30
Wellenlängenbereich (nm):		400 - 700
Zerstörschwelle, Referenz: ☐		10 J/cm ² @ 532nm, 10ns
Konformität mit Standards		
RoHS 2015:		Konform
Konformitätszertifikat:		Anzeigen
Reach 235:		Konform

PRODUKTDDETAILS

- AR-beschichtet: <1,75% Reflexion pro Oberfläche zwischen 400 und 700 nm
- Entwickelt für einen Einfallswinkel von 0°
- Verschiedene Beschichtungen: [unbeschichtet](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), [NIR II](#), [VIS-EXT](#) und [YAG-BBAR](#)
- Auch [vormontiert](#) in gravierten C-Mount-Gehäusen verfügbar

TECHSPEC® Plankonvexe Linsen (PCX) mit MgF₂-Beschichtung haben eine positive Brennweite und sind ideal für die Fokussierung von Licht in abbildenden Anwendungen. Sie können gut in Verbindung mit Emittlern, Detektoren, Lasern und Faseroptiken eingesetzt werden. TECHSPEC® Plankonvexe Linsen (PCX) mit MgF₂-Beschichtung sind in einer Vielzahl von Durchmessern und Brennweiten erhältlich. Identische Designs dieser Linsen werden auch [unbeschichtet](#) oder mit breitbandigen Antireflexionsbeschichtungen (BBAR) angeboten, dazu gehören [VIS 0°](#), [VIS-NIR](#), [NIR I](#), [NIR II](#), [VIS-EXT](#) und [YAG-BBAR](#).

TECHNISCHE INFORMATIONEN



N-BK7

Uncoated N-BK7 Typical Transmission



Typical transmission of a 3mm thick, uncoated N-BK7 window across the UV - NIR spectra.

[Click Here to Download Data](#)

**N-BK7 with MgF₂ Coating
Typical Transmission**



Typical transmission of a 3mm thick N-BK7 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)

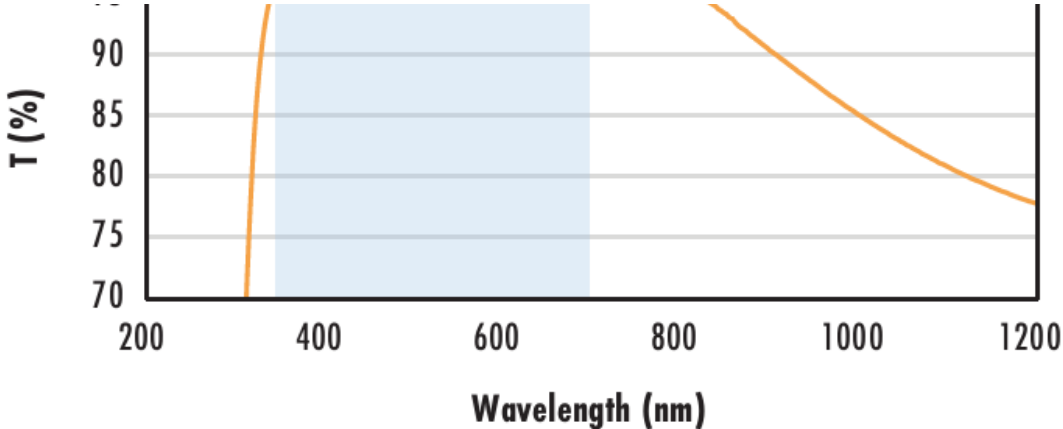
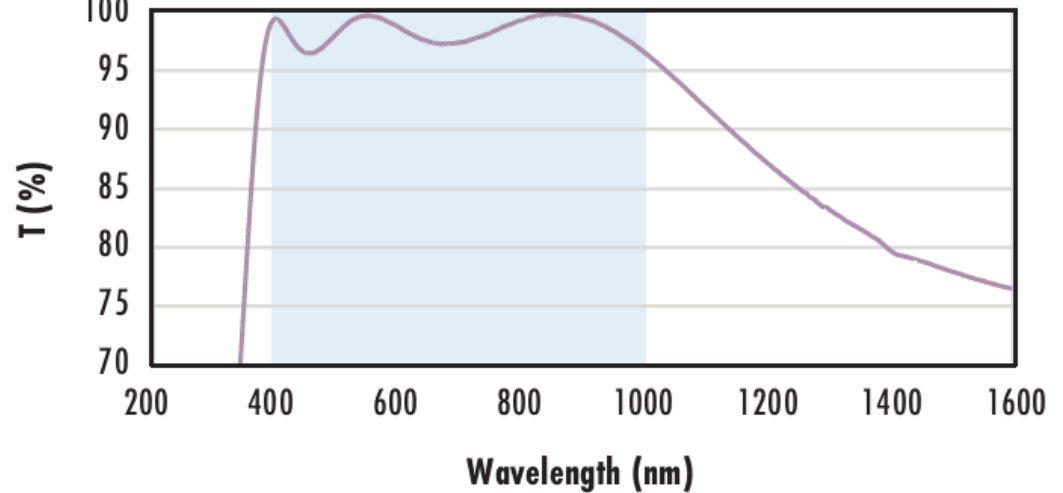
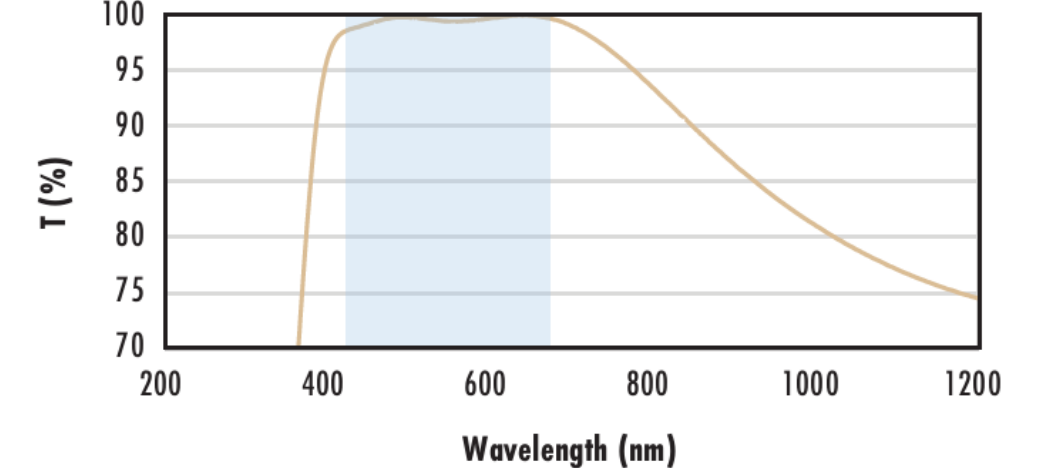
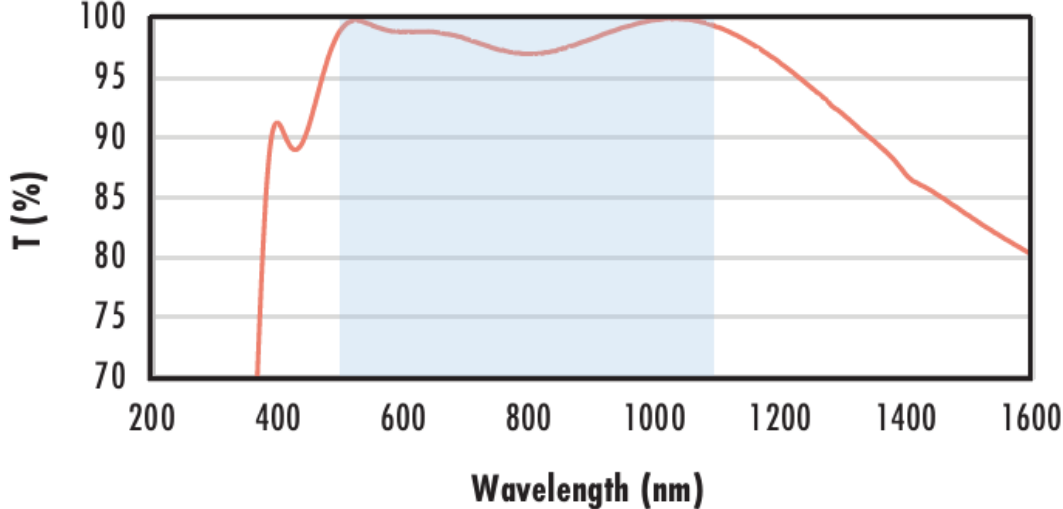
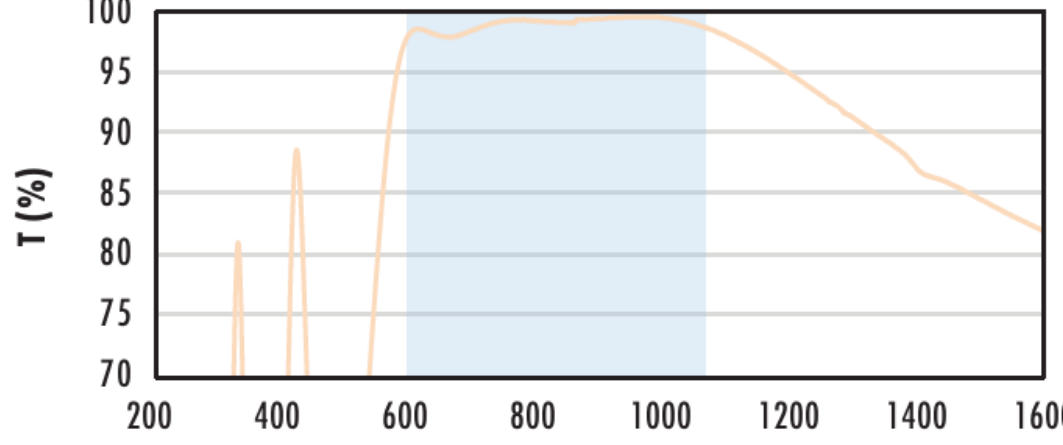
Data outside this range is not guaranteed and is for reference only.

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**N-BK7 with VIS-EXT Coating
Typical Transmission**



Typical transmission of a 3mm thick N-BK7 window with VIS-EXT

	Typical transmission of a 3mm thick N-BK7 window with VIS-NIR (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
N-BK7 with VIS-NIR Coating Typical Transmission 	Typical transmission of a 3mm thick N-BK7 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
N-BK7 with VIS 0° Coating Typical Transmission 	Typical transmission of a 3mm thick N-BK7 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
N-BK7 with YAG-BBAR Coating Typical Transmission 	Typical transmission of a 3mm thick N-BK7 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
N-BK7 with NIR I Coating Typical Transmission 	Typical transmission of a 3mm thick N-BK7 window with NIR I (600 - 1050nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{avg} \leq 0.5\%$ @ 600 - 1050nm Data outside this range is not guaranteed and is for reference only. Click Here to Download Data

