

TECHSPEC[®] 12.0mm Dia. x 72.0mm FL, VIS-EXT, Inked, Plano-Convex Lens



Stock **#88-682-INK** [CONTACT US](#)

[Other Coating Options](#)

-

1

+

C\$85^{.40}

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Volume Pricing	
Qty 1-9	C\$85.40 each
Qty 10-24	C\$76.30 each
Qty 25-49	C\$68.60 each
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Product Downloads

General

Type:
Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):
12.00 ±0.025

<1	Centering (arcmin):
2.40 ±0.05	Center Thickness CT (mm):
1.91	Edge Thickness ET (mm):
11	Clear Aperture CA (mm):
Protective as needed	Bevel:
Optical Properties	
72.00 @ 587.6nm	Effective Focal Length EFL (mm):
70.42	Back Focal Length BFL (mm):
VIS-EXT (350-700nm)	Coating:
R _{avg} <0.5% @ 350 - 700nm	Coating Specification:
N-BK7	Substrate: ☐
40-20	Surface Quality:
1.5λ	Power (P-V) @ 632.8nm:
λ/4	Irregularity (P-V) @ 632.8nm:
±1	Focal Length Tolerance (%):
37.21	Radius R ₁ (mm):
6	f/#:
0.08	Numerical Aperture NA:
350 - 700	Wavelength Range (nm):
5 J/cm² @ 532nm, 10ns	Damage Threshold, By Design: ☐

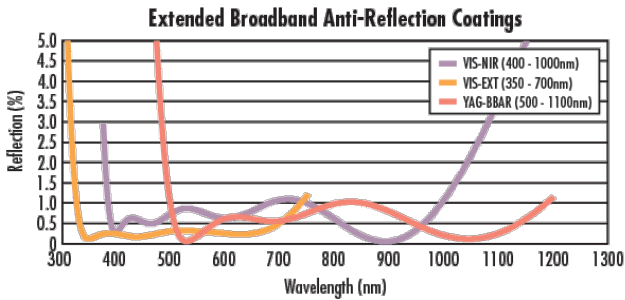
Regulatory Compliance	
View	Certificate of Conformance:

Product Details

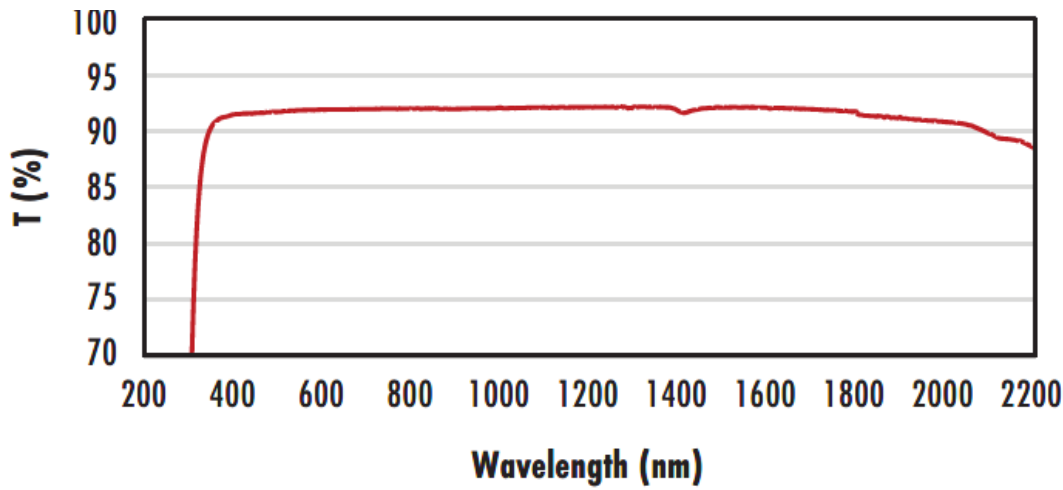
- Visible Broadband Anti-Reflection Coating with Extended UV Performance
- AR Coated to Provide <0.5% Reflectance per Surface for 350 - 700nm
- Designed for 0° Angle of Incidence
- Various PCX Coating Options: [Uncoated](#), [MgF₂](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), [NIR II](#), and [YAG-BBAR](#)

TECHSPEC® VIS-EXT Coated Plano-Convex (PCX) Lenses have a positive focal length, making them ideal for collecting and focusing light in imaging applications. They are also useful in a variety of applications involving emitters, detectors, lasers, and fiber optics. TECHSPEC® VIS-EXT Coated Plano-Convex (PCX) Lenses are available in a wide variety of diameters and focal lengths. Identical designs of these PCX lenses are also offered [uncoated](#) or with broadband anti-reflective (BBAR) coatings, which include [MgF₂](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), [NIR II](#), and [YAG-BBAR](#).

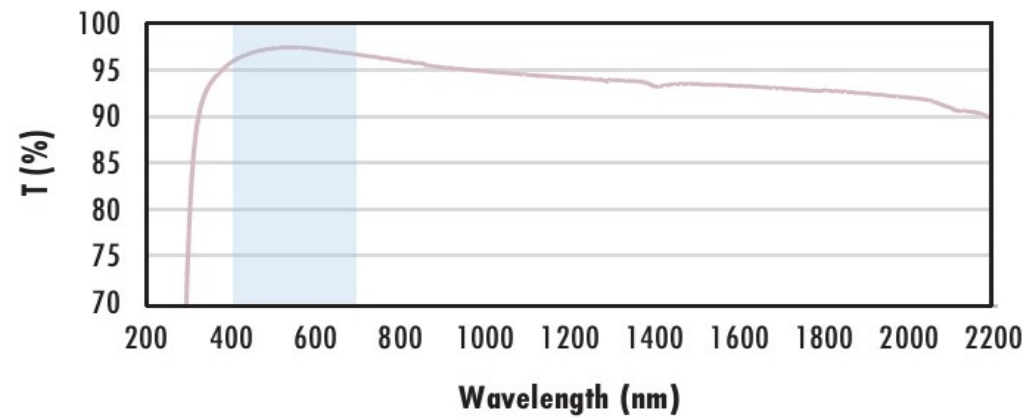
Technical Information



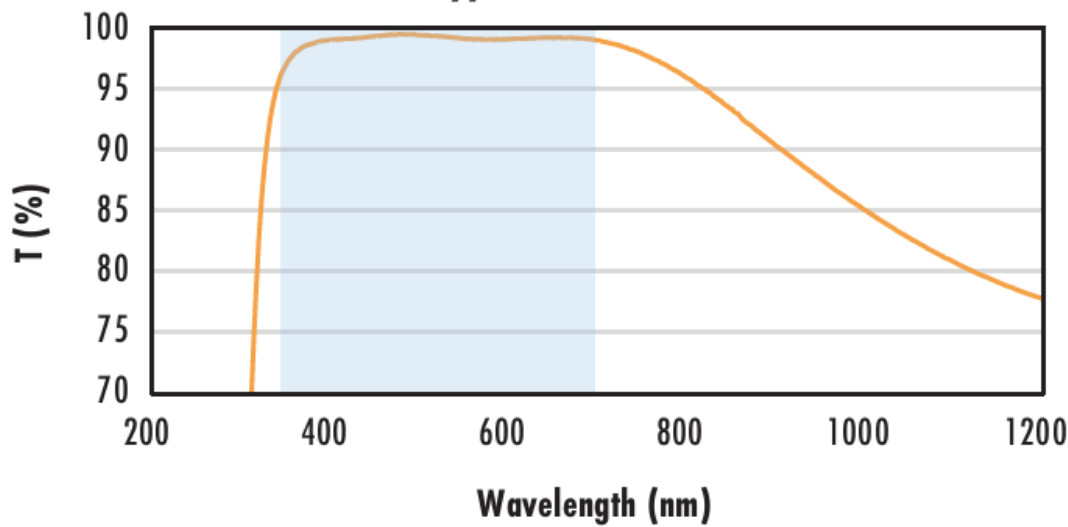
N-BK7	Uncoated N-BK7 Typical Transmission	



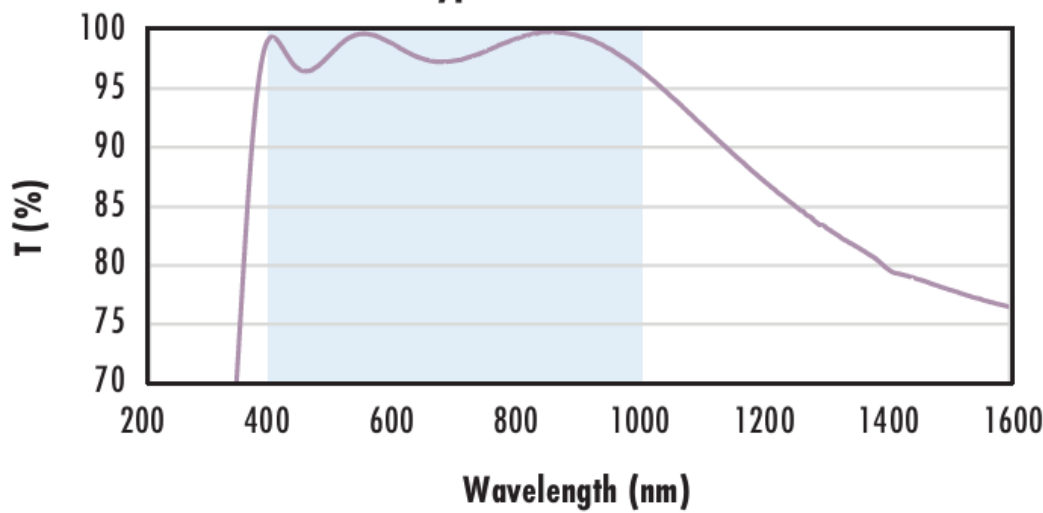
**N-BK7 with MgF₂ Coating
Typical Transmission**



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



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



**N-BK7 with VIS 0° Coating
Typical Transmission**

