

TECHSPEC[®] 25.0mm Dia. x 100.0mm FL, VIS-EXT, Inked, Plano-Convex Lens



Stock **#88-728-INK** [CONTACT US](#)

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-

1

+

C\$91^{.00}

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Volume Pricing	
Qty 1-9	C\$91.00 each
Qty 10-24	C\$81.90 each
Qty 25-49	C\$72.80 each
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General

Type:
Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):
25.00 ±0.025

<1	Centering (arcmin):
4.30 ±0.10	Center Thickness CT (mm):
2.77	Edge Thickness ET (mm):
24	Clear Aperture CA (mm):
Protective as needed	Bevel:
Optical Properties	
100.00 @587.6nm	Effective Focal Length EFL (mm):
97.17	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 (%):
51.68	Radius R ₁ (mm):
4	f/#:
0.13	Numerical Aperture NA:
350 - 700	Wavelength Range (nm):
5 J/cm² @ 532nm, 10ns	Damage Threshold, By Design: □
Regulatory Compliance	
View	Certificate of Conformance:

Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

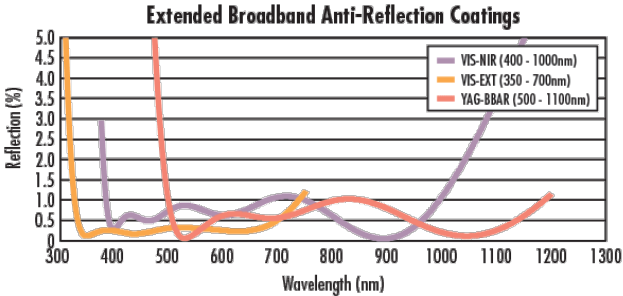
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

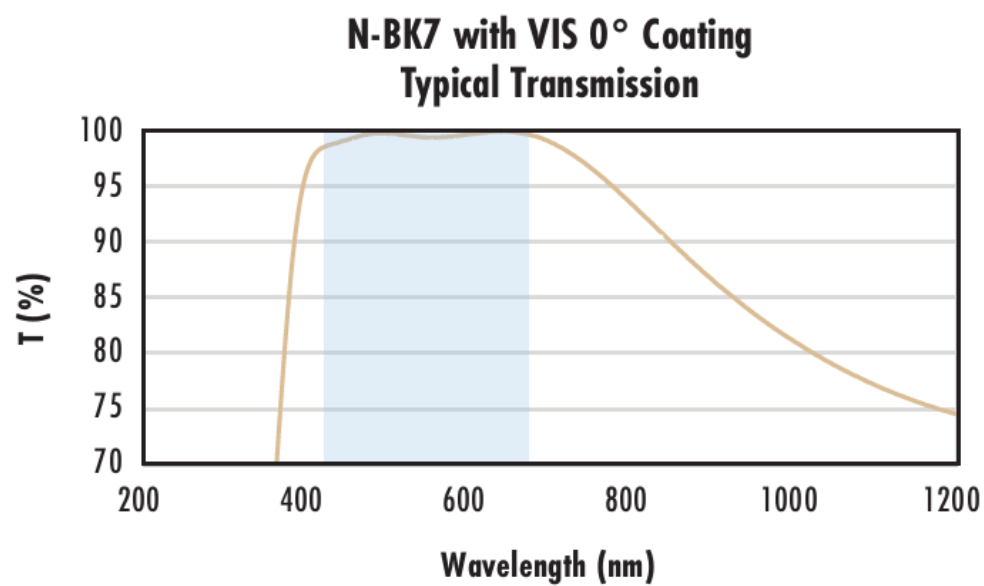
- Visible Broadband Anti-Reflection Coating with Extended UV Performance
- AR Coated to Provide <0.5% Reflectance per Surface for 350 - 700nm
- Designed for 0° Angle of Incidence
- Various PCX Coating Options: [Uncoated](#), [MgF₂](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), [NIR II](#), and [YAG-BBAR](#)

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 This graph shows the typical transmission of a 3mm thick, uncoated N-BK7 window across the UV - NIR spectra. The Y-axis represents T (%) from 70 to 100, and the X-axis represents Wavelength (nm) from 200 to 2200. The transmission is high, starting at ~70% at 200 nm, rising to ~92% at 400 nm, and remaining stable until ~2000 nm, then slightly decreasing to ~88% at 2200 nm.	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 This graph shows the typical transmission of a 3mm thick N-BK7 window with MgF2 (400-700nm) coating at 0° AOI. The Y-axis represents T (%) from 70 to 100, and the X-axis represents Wavelength (nm) from 200 to 2200. The transmission is high, starting at ~70% at 200 nm, rising to ~98% at 400 nm, and remaining stable until ~2000 nm, then slightly decreasing to ~90% at 2200 nm. A blue shaded region indicates the coating design wavelength range from 400 to 700 nm.	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: $R_{avg} \leq 1.75\% @ 400 - 700\text{nm}$ (N-BK7) Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
N-BK7 with VIS-EXT Coating Typical Transmission This graph shows the typical transmission of a 3mm thick N-BK7 window with VIS-EXT (350-700nm) coating at 0° AOI. The Y-axis represents T (%) from 70 to 100, and the X-axis represents Wavelength (nm) from 200 to 1200. The transmission is high, starting at ~70% at 200 nm, rising to ~98% at 400 nm, and remaining stable until ~700 nm, then decreasing to ~78% at 1200 nm. A blue shaded region indicates the coating design wavelength range from 350 to 700 nm.	Typical transmission of a 3mm thick N-BK7 window with VIS-EXT (350-700nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{avg} \leq 0.5\% @ 350 - 700\text{nm}$ 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 This graph shows the typical transmission of a 3mm thick N-BK7 window with VIS-NIR (400-1000nm) coating at 0° AOI. The Y-axis represents T (%) from 70 to 100, and the X-axis represents Wavelength (nm) from 200 to 1600. The transmission is high, starting at ~70% at 200 nm, rising to ~98% at 400 nm, and remaining stable until ~1000 nm, then decreasing to ~76% at 1600 nm. A blue shaded region indicates the coating design wavelength range from 400 to 1000 nm.	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: $R_{abs} \leq 0.25\% @ 880\text{nm}$ $R_{avg} \leq 1.25\% @ 400 - 870\text{nm}$ $R_{avg} \leq 1.25\% @ 890 - 1000\text{nm}$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data



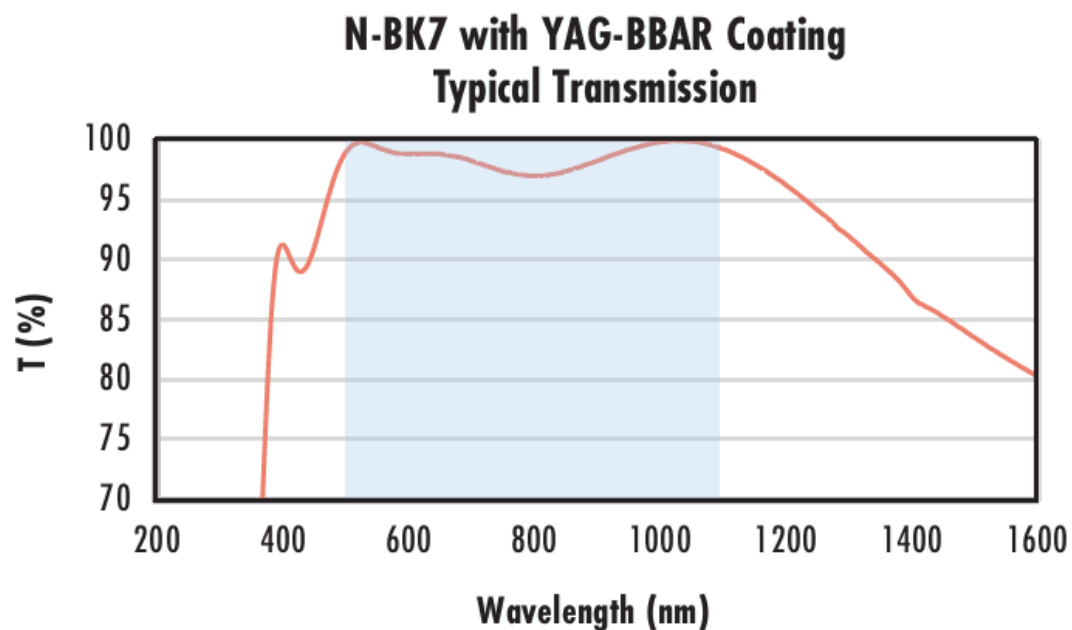
Typical transmission of a 3mm thick N-BK7 window with MS 0° (425-675nm) coating at 0° AOI.

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

$$R_{\text{avg}} \leq 0.4\% \text{ @ } 425 - 675\text{nm}$$

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

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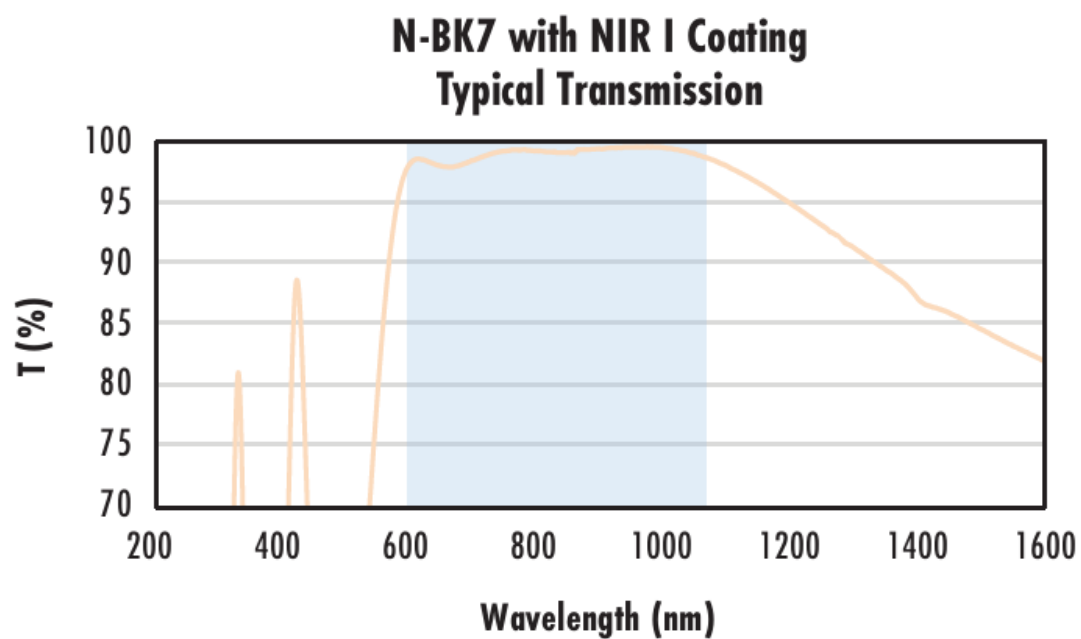
Typical transmission of a 3mm thick N-BK7 window with YAG-BBAR (500-1100nm) coating at 0° AOI.

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

$$R_{\text{abs}} \leq 0.25\% \text{ @ } 532\text{nm}$$
$$R_{\text{abs}} \leq 0.25\% \text{ @ } 1064\text{nm}$$
$$R_{\text{avg}} \leq 1.0\% \text{ @ } 500 - 1100\text{nm}$$

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

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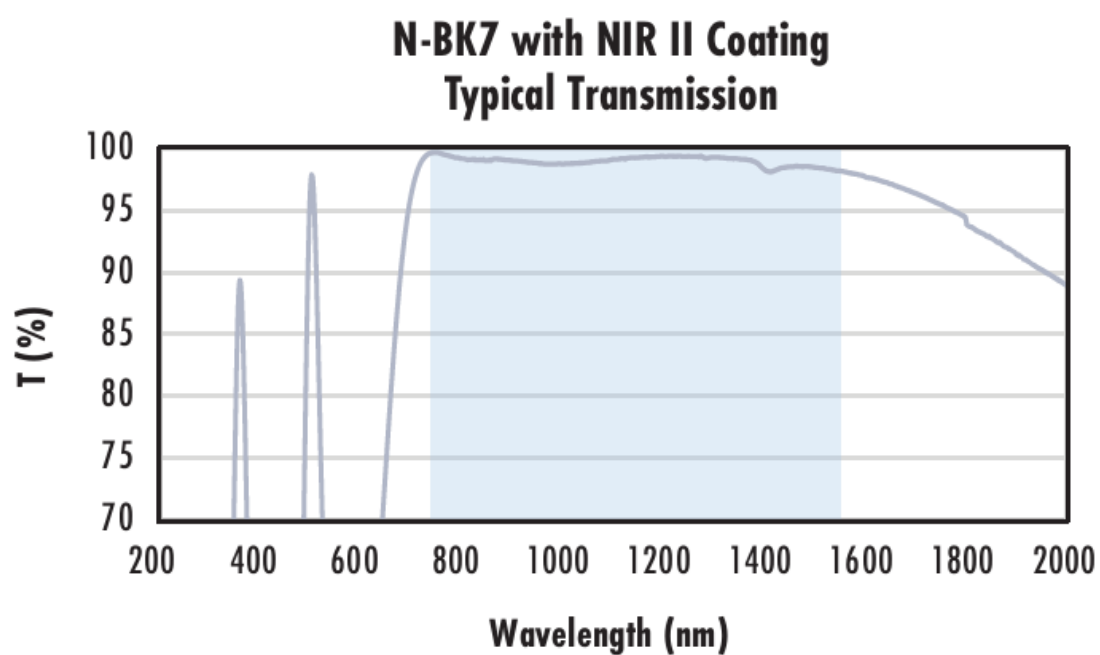
Typical transmission of a 3mm thick N-BK7 window with NIR I (600 - 1050nm) coating at 0° AOI.

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

$$R_{\text{avg}} \leq 0.5\% \text{ @ } 600 - 1050\text{nm}$$

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

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Typical transmission of a 3mm thick N-BK7 window with NIR II (750 - 1550nm) coating at 0° AOI.

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

$$R_{\text{abs}} \leq 1.5\% \text{ @ } 750 - 800\text{nm}$$
$$R_{\text{abs}} \leq 1.0\% \text{ @ } 800 - 1550\text{nm}$$
$$R_{\text{avg}} \leq 0.7\% \text{ @ } 750 - 1550\text{nm}$$

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

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Compatible Mounts