

TECHSPEC[®] 30mm Dia. x 30mm FL, VIS 0° Coated, Double-Convex Lens



Stock **#63-620** 20+ In Stock

☐ [Other Coating Options](#)

-

1

+

C\$90^{.30}

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Volume Pricing	
Qty 1-9	C\$90.30 each
Qty 10-24	C\$81.20 each
Qty 25-99	C\$72.10 each
Need More?	Request Quote

Product Downloads

General

Type:
Double-Convex Lens

Physical & Mechanical Properties

Diameter (mm):
30.00 +0.0/-0.025

<1	Centering (arcmin):
Protective as needed	Bevel:
6.50	Center Thickness CT (mm):
±0.10	Center Thickness Tolerance (mm):
1.43	Edge Thickness ET (mm):
29.00	Clear Aperture CA (mm):
Optical Properties	
28.12	Back Focal Length BFL (mm):
30.00	Effective Focal Length EFL (mm):
VIS 0° (425-675nm)	Coating:
R _{avg} ≤0.4% @ 425 - 675nm	Coating Specification:
N-SF11	Substrate: □
40-20	Surface Quality:
1.5λ	Power (P-V) @ 632.8nm:
λ/4	Irregularity (P-V) @ 632.8nm:
45.61	Radius R ₁ =R ₂ (mm):
1.00	f/#:
587.6	Focal Length Specification Wavelength (nm):
±1	Focal Length Tolerance (%):
0.50	Numerical Aperture NA:
425 - 675	Wavelength Range (nm):
5 J/cm² @ 532nm, 10ns	Damage Threshold, By Design: □
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 235:

Need different specs or modifications?

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](#).

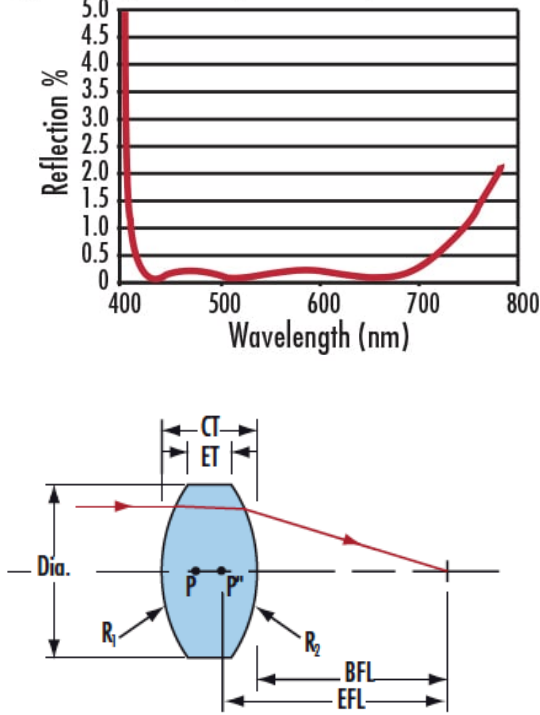
Product Details

- AR Coated to Provide <0.4% Reflectance per Surface for 425 - 675nm
- Minimize Aberrations Including Spherical and Coma
- [UV Fused Silica DCX Lenses](#) Available
- Other Coating Options Available: [Uncoated](#), [MgF₂](#), [NIR I](#), [NIR II](#), [VIS-EXT](#), [VIS-NIR](#), and [YAG-BBAR](#)

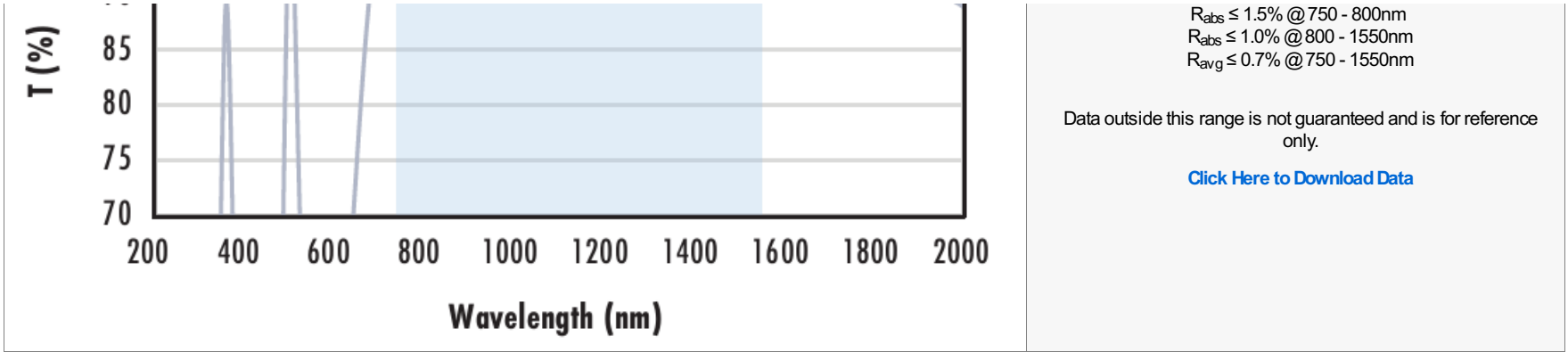
TECHSPEC® VIS 0° Coated Double-Convex (DCX) Lenses, also referred to as bi-convex lenses, have two positive, symmetrical faces with equal radii on both sides. These lenses are generally recommended for finite imaging applications with a conjugate ratio (ratio between object distance and image distance) between 0.2 and 5. At a conjugate ratio of 1, aberrations such as spherical aberration, chromatic aberration, coma, and distortion are minimized or cancelled due to the symmetric lens design. TECHSPEC® VIS 0° Coated Double-Convex Lenses are available in a variety of substrates and coating options for the visible and NIR spectra.

Technical Information

VIS 0° Coating
 $R_{avg} \leq 0.4\%$ @ 425 - 675nm
Typ. Energy Density Limit: 5 J/cm² @ 532nm, 10ns



N-BK7	
Uncoated N-BK7 Typical Transmission The graph shows the typical transmission of a 3mm thick uncoated N-BK7 window. The y-axis is 'T (%)' from 70 to 100. The x-axis is 'Wavelength (nm)' from 200 to 2200. The transmission is low (around 70%) at 200 nm, rises sharply to about 92% by 400 nm, and remains relatively flat with minor fluctuations between 92% and 93% up to 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 The graph shows the typical transmission of a 3mm thick N-BK7 window with a MgF₂ coating. The y-axis is 'T (%)' from 70 to 100. The x-axis is 'Wavelength (nm)' from 200 to 2200. The transmission rises from 70% at 200 nm to about 97% at 400 nm. A blue shaded region from 400 nm to 700 nm indicates the coating design wavelength range, where transmission is maintained above 95%. Beyond 700 nm, the transmission gradually decreases to about 90% at 2200 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 - 700nm (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 The graph shows the typical transmission of a 3mm thick N-BK7 window with a VIS-EXT coating. The y-axis is 'T (%)' from 70 to 100. The x-axis is 'Wavelength (nm)' from 200 to 1200. The transmission rises from 70% at 200 nm to about 98% at 350 nm. A blue shaded region from 350 nm to 700 nm indicates the coating design wavelength range, where transmission is maintained above 95%. Beyond 700 nm, the transmission decreases to about 78% at 1200 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 - 700nm Data outside this range is not guaranteed and is for reference only. Click Here to Download Data



Coating Curves

Compatible Mounts