

TECHSPEC[®] 5.0mm Diameter, N-BK7 Ball Lens



TECHSPEC[®] N-BK7 Ball Lenses

Stock **#43-712** 20+ In Stock

-

1

+

₹2,725

ADD TO CART

Volume Pricing	
Qty 1-10	₹2,725 each
Qty 11-25	₹2,452 each
Qty 26-49	₹2,336 each
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SPECIFICATIONS

General

Type:

Ball Lens

Physical & Mechanical Properties

Diameter (mm):	
5.00	
Diameter Tolerance (µm):	
±2.5	
Optical Properties	
Substrate:	
N-BK7	
Coating:	
Uncoated	
Wavelength Range (nm):	
350 - 2200	
Index of Refraction (n _d):	
1.517	
Sphericity (µm):	
0.625	
Regulatory Compliance	
RoHS 2015:	
Compliant	
Certificate of Conformance:	
View	
Reach 247:	
Compliant	

PRODUCT DETAILS

- Can be Used as Fiber Coupling Spheres or Collimating Lenses
 - Ideal Pre-Forms for Aspheric Lenses
 - Available in a Variety of Sizes
 - [TECHSPEC® N-BK7 Half-Ball Lenses](#) Also Available
- TECHSPEC® N-BK7 Ball Lenses are glass spheres commonly used in fiber optic applications. Ball lenses are excellent optical components for improving signal coupling between fibers, emitters, and detectors. They are also used in endoscopy, bar code scanning, ball pre-forms for aspheric lenses, and sensor applications. TECHSPEC® N-BK7 Ball Lenses are uncoated and are optimal for wavelengths 350-2200nm. If applications require a more compact design, [TECHSPEC® N-BK7 Half-Ball Lenses](#) are also available.

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](#).

COMPATIBLE MOUNTS