

[See all 12 Products in Family](#)

4mm Diameter, Truncated B270 Half-Ball Lens



B270 Half-Ball Lenses

Stock #21-900 **3 In Stock**

⊖ 1 ⊕ **\$51⁰⁰**

ADD TO CART

Volume Pricing	
Qty 1-10	\$51.80 each
Qty 11-25	\$43.75 each
Qty 26-49	\$39.20 each
Need More?	Request Quote

Product Downloads

General

Half-Ball Lens **Type:**

Physical & Mechanical Properties

4.00 ±0.1 **Diameter (mm):**

1.70 ±0.15 **Center Thickness CT (mm):**

2.00 Radius R (mm):

Optical Properties

B270 Substrate:
Uncoated Coating:

360 - 2700 Wavelength Range (nm):

1.523 Index of Refraction (n_d):

Regulatory Compliance

Compliant RoHS 2015:

Compliant Reach 224:

View Certificate of Conformance:

Product Details

- Available in Truncated and Extended Geometries
- High Transmission in the Visible and NIR
- Ideal for Cost Sensitive Applications

B270 Half-Ball Lenses feature a molded spherical surface and polished plano surface, facilitating easier mounting compared to ball lenses. The B270 substrates have high transmission from the visible to the near infrared (NIR) and have a similar refractive index to N-BK7, making these lenses an ideal alternative for cost sensitive applications. Each diameter of lens is available in two form factors, truncated (hypo-hemisphere) and extended (hyper-hemisphere), providing options to best meet system mechanical requirements. B270 Half-Ball Lenses are used in high power LED, fiber coupling, endoscopy, microscopy, and laser measurement applications.