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TECHSPEC® 1.0mm Diameter, Fused Silica Half-Ball Lens



Stock **#67-391** **20+ In Stock**

- 1 + MRP ₹6,861

i Price inclusive of all taxes

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Volume Pricing	
Qty 1-10	₹6,861 each
Qty 11-49	₹5,499 each
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General

Half-Ball Lens **Type:**

Physical & Mechanical Properties

1.00 **Diameter (mm):**

0.50 **Radius R (mm):**

Radius Tolerance (µm):

±2.5

Thickness Tolerance (µm):

±35

Diameter Tolerance (µm):

±2.5

Optical Properties

Substrate: **Fused Silica** (Corning 7980)

Coating:
Uncoated

Wavelength Range (nm):
200 - 2200

Index of Refraction (n_d):
1.458

Sphericity (µm):
0.625

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
[View](#)

Reach 247:
Compliant

Country of Origin:
Switzerland

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91-80-6845 0000

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

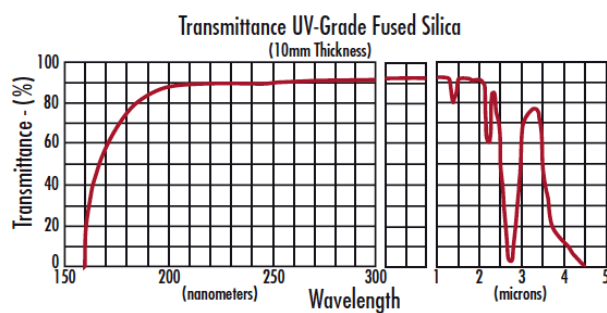
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

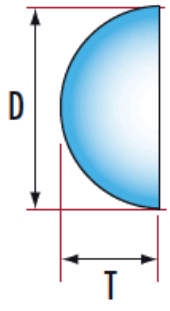
- Excellent UV Transmission
- Low Coefficient of Thermal Expansion
- Ball and Half-Ball Options Available

TECHSPEC® Fused Silica Ball and Half-Ball Lenses feature high transmission from 200nm to 2.2µm with a low coefficient of thermal expansion, making it ideal for the most demanding ball lens applications in the ultraviolet, visible, and near-infrared spectra. Ball lenses are commonly used for improving signal coupling between fibers, emitters, and detectors, as well as objective lenses in endoscopy and bar-code scanning applications. Half-ball lenses simplify handling and integration. TECHSPEC Fused Silica Ball and Half-Ball Lenses are uncoated with a fused silica substrate. The lenses are available in diameters ranging from 0.50 to 5.00mm.

Technical Information



UV FS Transmission Curve



Compatible Mounts
