

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



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

− 1 + ₹4,554

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Volume Pricing	
Qty 1-10	₹4,554 each
Qty 11-49	₹3,639 each
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SPECIFICATIONS

General

Half-Ball Lens **Type:**

Physical & Mechanical Properties

Diameter (mm):

1.00	
0.50	Radius R (mm):
±2.5	Radius Tolerance (μm):
±35	Thickness Tolerance (μm):
±2.5	Diameter Tolerance (μm):

Optical Properties

Fused Silica (Corning 7980)	Substrate: <input type="checkbox"/>
Uncoated	Coating:
200 - 2200	Wavelength Range (nm):
1.458	Index of Refraction (n _d):
0.625	Sphericity (μm):

Regulatory Compliance

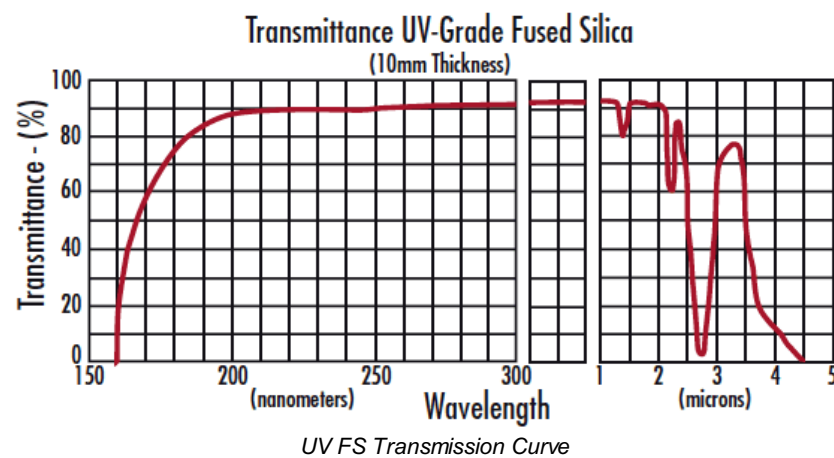
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

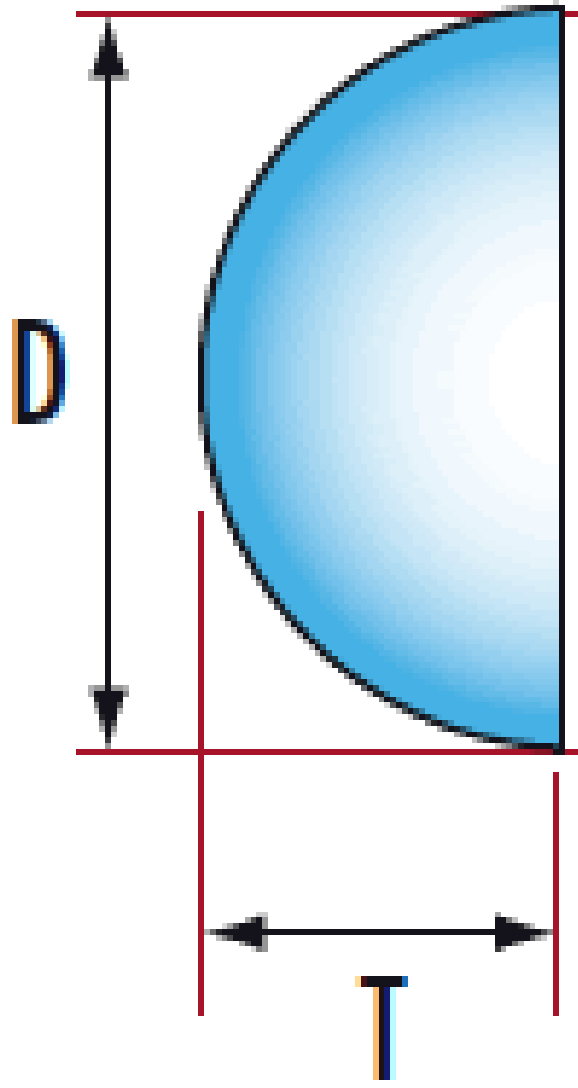
PRODUCT DETAILS

- 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





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
