Precision Optical Glass Ball Lens

Spherical ball lenses are used for laser collimating and focusing, fiber-to-fiber coupling, and fiber-to-detector coupling. These lenses are highly polished spheres made of optically transparent homogeneous materials with precise diameters and unsurpassed surface quality.

Overview

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Spherical Ball Lenses are essential components for laser collimating, focusing, and efficient fiber coupling applications. These highly polished, homogeneous spheres are manufactured with precise diameters and unsurpassed surface quality to ensure optimal performance. Their design allows for versatile integration, from miniature optical systems to complex fiber-to-detector couplings.

Optical Specifications

Material	BK7, LaSFN9, Optical Glass
Surface Quality	20-10
Sphericity	»/4at 633nm

Dimensions & Performance

Coating Specifications

1.5 %	400 nm	700 nm
Reflectance (Avg per surface)	Wavelength Range Start	Wavelength Range End

Diameter	1 mm

Applications

Typical Applications

- Laser collimating and focusing
- Laser-to-fiber coupling
- Fiber-to-fiber coupling
- Fiber-to-detector coupling