

Micro Drum Lenses

ACP's Featuring a cylindrical shape, Micro Drum Lens is easier to handle than a typical ball lens, but still has the excellent optical performance of a typical ball lens in a micro optical environment, suitable for compact-size fiberoptical components, laser systems, and micro optical devices. The tip of the curvature can be polished flat for special collimation needs.

Key Features

- Cylindrical Sides with Convex Curvatures
- Typical Ball lens Performance
- High Transmittance
- Low Reflectance
- Accurate Wavelength Manipulation

Applications

- Compact Fiberoptical Components
- Laser Systems
- Micro Optical Devices
- Optical Assemblies

Performance Specifications

Parameter	Specifications
Material	Optical glass
Design Wavelength	Visible or as specified
Length	1.0 - 8.0mm or as specified
Diameter (D)	0.7 - 8.0mm or as specified
Flat Top Diameter (d)	0.3 - 1.0mm or as specified
Focal Length	± 2%
Centration	± 3 arc minutes
Clear Aperture	80% of the diameter
Scratch and dig	60-40, 40-20, 20-10, or as specified
Circumference	Polished or Fine grind
AR Coating	MgF2, visible wavelength, or as specified
Customized Specs	Available upon request as per drawing

Spectral Chart

