

Prism

Mirror

Window

Beamsplitter

Waveplate

IR Optics

Lens

Filter

Micro Optics

Plastic Optics

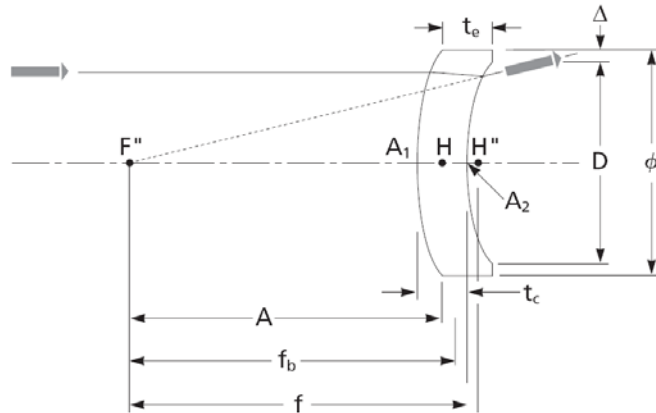
Meniscus Lens

Introductions



Meniscus lenses have one surface convex and the other surface concave. They are used to change the focal length of another lens. Meniscus lenses can be used with another lens to produce longer or shorter focal lengths.

Beam Path



Standard Specifications

Items	Specifications
Material	BK7 Grade A or equivalent Optical Glass
Designed Wavelength	546.1 nm
Designed Index	1.5183 ±0.0005
Dimension Tolerance	+0.0/-0.2 mm
Thickness Tolerance	± 0.2 mm
Paraxial Focal Length	± 2%
Clear Aperture	> 90%
Centration	3 arc minutes
Flatness	λ/4 at 632.8 nm
Surface Quality	scratch and dig 60-40
Bevel	0.5 (0/-0.3) mm

Notes:

1. Surface Quality could reach 40-20, 20-10
2. Parallelism such as 30", 10", 5" is available.
3. Please show us the size and the coating specification.

Part NO.	f (mm)	φ (mm)	R1 (mm)	R2 (mm)	tc (mm)	te (mm)	fb (mm)
LMN0101	100.0	25.4	33.72	90.00	4.0	2.5	97.5
LMN0102	125.0	25.4	38.47	90.00	4.0	2.8	121.8
LMN0103	150.0	25.4	42.52	90.00	4.0	3.0	146.3
LMN0104	175.0	25.4	46.05	90.00	4.0	3.1	171.2
LMN0105	200.0	25.4	49.03	90.00	3.5	2.8	197.0
LMN 0201	-100.0	25.4	90.00	32.59	3.0	4.5	-99.2
LMN 0202	-125.0	25.4	90.00	37.26	3.0	4.2	-123.7

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Optical Components

LMN 01