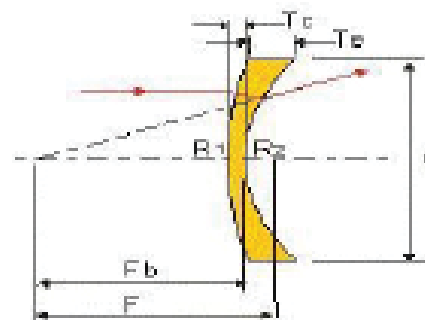


Negative Meniscus Glass Lenses



Material Option: N-BK7
 Focal Length Tolerance: $\pm 2\%$
 Diameter Tolerance: $+0.00/-0.10\text{mm}$
 Clear Aperture: 90%
 Center Thickness Tolerance: $\pm 0.20\text{mm}$
 Centration Tolerance: $<0.05\text{mm}$
 Scratch/Dig: 40-20
 Surface Irregularity: $\lambda/4$
 Coating option: VIS, NIR, SWIR



ORDERING INFORMATION

Product code	Diameter	Focal length	Material	Coating
LNM	D	f	N-BK7	None VIR NIR SWIR UV

COMMON PRODUCT LIST

Part Number	Diameter $\varnothing$ (mm)	Focal Length (mm)	CT (mm)	ET (mm)
LNM-D25-f100-BK7	25	-100	3	4.5
LNM-D25-f125-BK7		-125	3	4.2
LNM-D25-f150-BK7		-150	3	4
LNM-D25-f175-BK7		-175	3	3.8
LNM-D25-f200-BK7		-200	3	3.7
LNM-D25-f250-BK7		-250	3	3.6
LNM-D25-f300-BK7		-300	3	3.5
LNM-D25-f350-BK7		-350	3	3.4
LNM-D25-f400-BK7		-400	3	3.4
LNM-D25-f500-BK7		-500	3	3.3
LNM-D25-f600-BK7		-600	3	3.2
LNM-D25-f800-BK7		-800	3	3.2
LNM-D25-f1000-BK7		-1000	3	3.1

Negative Meniscus Glass Lenses

Part Number	Diameter Ø (mm)	Focal Length (mm)	CT (mm)	ET (mm)
LNM-D50-f150-BK7	50	-150	3	7.6
LNM-D50-f175-BK7		-175	3	6.8
LNM-D50-f200-BK7		-200	3	6.3
LNM-D50-f250-BK7		-250	3	5.4
LNM-D50-f300-BK7		-300	3	5
LNM-D50-f350-BK7		-350	3	4.7
LNM-D50-f400-BK7		-400	3	4.5
LNM-D50-f500-BK7		-500	3	4.2
LNM-D50-f600-BK7		-600	3	4
LNM-D50-f800-BK7		-800	3	3.7
LNM-D50-f1000-BK7		-1000	3	3.6
LNM-D50-f1500-BK7		-1500	3	3.4
LNM-D50-f2000-BK7		-2000	3	3.3

COATING CODE: AR COATING, R AVG<0.5% AT WAVELENGTH RANGE

None=no coating

VIR = AR Coating at 400~700nm.

NIR= AR Coating at 650~1050nm.

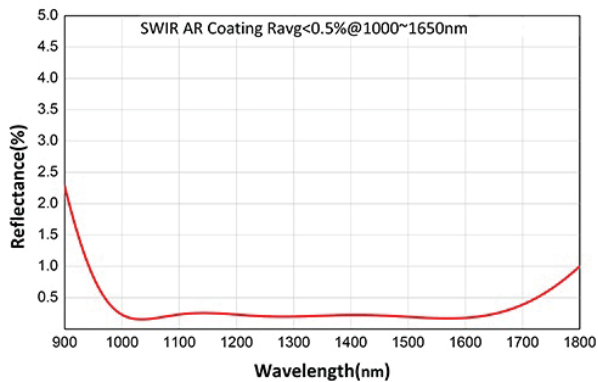
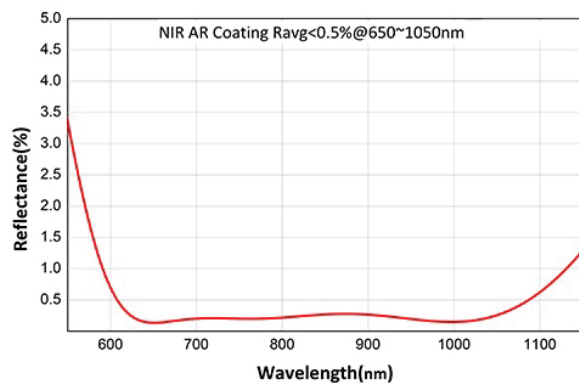
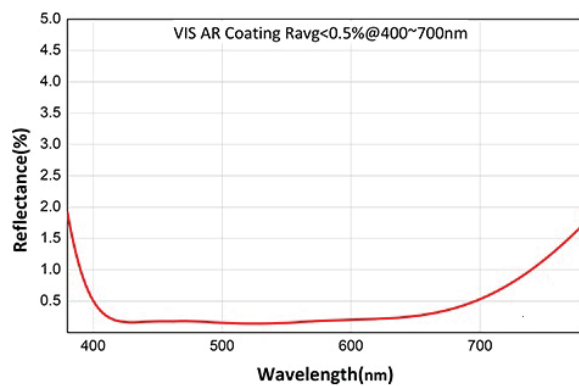
SWIR = AR Coating at 1000~1650nm.

MATERIAL REFRACTION INDEX:

N-BK7, Index of refraction is 1.517 at 587.6 nm.

Negative Meniscus Glass Lenses

NEGATIVE MENISCUS GLASS LENSES COATING

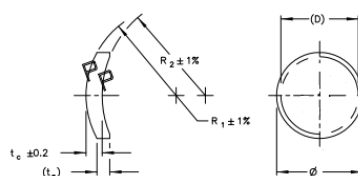


Negative Meniscus Glass Lenses

NEGATIVE MENISCUS GLASS LENSES DRAWING

NOTES:

- 1.ALL DIMENSIONS IN MILLIMETERS.
- 2.SURFACES MARKED "P"POLISH,ALL OTHERS FIND GROUND
- 3.FOCAL LENGTH TOLERANCE (f): $\pm 2\%$.
- 4.SCRATCH/DIG: 40-20
- 5.CENTRTION: 3 ARC MINUTES
- 6.SURFACE ACCURACY: 1/4 WAVE
- 7.EDGE BEVEL:
 - a. 0.10~0.25mm FACE WIDTH AT 45° FOR Dia $\leq$ 25.0mm
 - b. 0.25~0.50mm FACE WIDTH AT 45° FOR Dia $\geq$ 25.0mm
- 8.MIN.CLEAR APERAURE IS CENTRAL 90% OF DIAMETER
- 9.MATERIAL OPTION: N-BK7
- 10.COATING OPTION:
 - a.UNCOATED
 - b.VIR AR COATING,Ravg $\leq$ 0.5% @ 400~700nm
 - c.NIR AR COATING,Ravg $\leq$ 0.5% @ 650~1050nm
 - d.SWIR AR COATING,Ravg $\leq$ 0.5% @ 1000~1650nm



Third Angle Projection			
		TITLE: Negative Meniscus Lens	
SIZE	DWG NO.	REV	
A4	LNM-	A	
ALL DIMS IN mm	SCALE	SHEET 01 OF 01	