

Plano-Convex Cylindrical Lenses

Product Description:

Plano-Convex Cylindrical Lenses are designed to focus a beam in one dimension and keep the other unchanged.

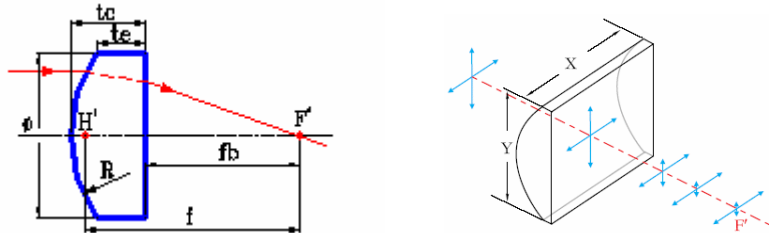
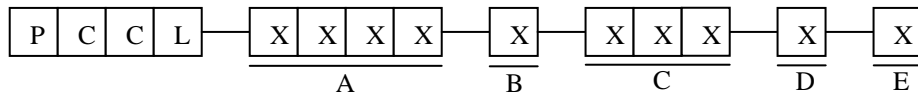


Figure 1: A schematic drawing of a plano-convex cylindrical lens

Specifications:

Material	BK7 or Fused Silica
Design Wavelength	587.6 nm
Size Tolerance (X,Y)	+0.0, -0.15 mm
Paraxial Focal Length Tolerance	± 2%
Centering Tolerance	3 arc minutes
Clear Aperture	> 85%
Bevel	0.25mm X 45°
Surface Quality	40~20
AR coating	Specified by customer

Ordering Information:



A	Wavelength	630=0630nm
		1310=1310nm
		XXXX=Your application wavelength
B	Material	1=BK7
		2=Fused Silica
		0=Special

C	Size	001=6.0X4.0X3.9X2.01X3.8X2.0
		Check standard size table for standard size
		000=Custom size
D	AR Coating	1=yes
		0=no
E	Mount	1=Yes
		0=no

Standard Size Table (Material: BK7 Grade A Optical Glass)

Dimension P/N	X (mm)	Y (mm)	f (mm)	R (mm)	tc (mm)	te (mm)
001	6.0	4.0	3.9	2.01	3.8	2.0
002	8.0	4.0	3.9	2.01	3.8	2.0
003	6.0	4.0	4.0	2.07	3.6	2.0
004	8.0	4.0	4.0	2.07	3.6	2.0
005	6.0	4.0	5.8	3.00	2.8	2.0
006	8.0	4.0	5.8	3.00	2.8	2.0
007	8.0	6.0	6.35	3.31	4.0	2.0
008	12.0	6.0	6.35	3.31	4.0	2.0
009	9.0	7.0	7.7	3.98	4.1	2.0
010	14.0	7.0	7.7	3.98	4.1	2.0
011	12.0	10.0	9.7	5.01	6.7	2.0
012	20.0	10.0	9.7	5.01	6.7	2.0
013	12.0	10.0	10.0	5.16	5.9	2.0
014	20.0	10.0	10.0	5.16	5.9	2.0
015	12.0	10.0	12.7	6.56	4.3	2.0
016	20.0	10.0	12.7	6.56	4.3	2.0
017	15.0	13.0	12.7	6.56	7.7	2.0
018	26.0	13.0	12.7	6.56	7.7	2.0
019	15.0	13.0	13.7	7.07	6.3	2.0
020	26.0	13.0	13.7	7.07	6.3	2.0
021	12.0	10.0	15.0	7.75	3.8	2.0
022	20.0	10.0	15.0	7.75	3.8	2.0
023	18.0	16.0	19.0	9.81	6.1	2.0
024	32.0	16.0	19.0	9.81	6.1	2.0
025	18.0	16.0	19.7	10.17	5.9	2.0
026	32.0	16.0	19.7	10.17	5.9	2.0
027	12.0	10.0	20.0	10.33	3.3	2.0
028	20.0	10.0	20.0	10.33	3.3	2.0
029	17.0	15.0	20.0	10.33	5.2	2.0
030	30.0	15.0	20.0	10.33	5.2	2.0
031	15.0	12.5	22.2	11.46	3.9	2.0
032	25.0	12.5	22.2	11.46	3.9	2.0

033	12.0	10.0	25.0	12.91	3.0	2.0
034	20.0	10.0	25.0	12.91	3.0	2.0
035	22.0	20.0	25.0	12.91	6.7	2.0
036	40.0	20.0	25.0	12.91	6.7	2.0
037	18.0	16.0	25.4	13.12	4.7	2.0
038	32.0	16.0	25.4	13.12	4.7	2.0
039	28.0	25.4	25.4	13.12	11.8	2.0
040	51.0	25.4	25.4	13.12	11.8	2.0
044	22.0	20.0	30.0	15.49	5.7	2.0
045	40.0	20.0	30.0	15.49	5.7	2.0
046	28.0	25.4	38.1	19.67	6.6	2.0
047	51.0	25.4	38.1	19.67	6.6	2.0
048	12.0	10.0	40.0	20.66	2.6	2.0
049	20.0	10.0	40.0	20.66	2.6	2.0
050	22.0	20.0	40.0	20.66	4.6	2.0
051	40.0	20.0	40.0	20.66	4.6	2.0
052	22.0	20.0	50.0	25.82	4.0	2.0
053	40.0	20.0	50.0	25.82	4.0	2.0
054	32.0	30.0	50.0	25.82	6.8	2.0
055	60.0	30.0	50.0	25.82	6.8	2.0
056	53.0	50.8	50.8	26.23	21.6	2.0
057	90.0	50.8	50.8	26.23	21.6	2.0
058	32.0	30.0	60.0	30.98	5.9	2.0
059	60.0	30.0	60.0	30.98	5.9	2.0
060	62.0	60.0	60.0	30.98	25.2	2.0
061	95.0	60.0	60.0	30.98	25.2	2.0
062	53.0	50.8	62.9	32.48	14.2	2.0
063	95.0	50.8	62.9	32.48	14.2	2.0
064	32.0	30.0	70.0	36.15	5.3	2.0
065	60.0	30.0	70.0	36.15	5.3	2.0
066	53.0	50.8	75.0	38.73	11.5	2.0
067	95.0	50.8	75.0	38.73	11.5	2.0
068	28.0	25.4	75.6	39.04	5.1	3.0
069	51.0	25.4	75.6	39.04	5.1	3.0
070	53.0	50.8	75.6	39.04	12.4	3.0
071	95.0	50.8	75.6	39.04	12.4	3.0
072	22.0	20.0	80.0	41.31	4.2	3.0
073	40.0	20.0	80.0	41.31	4.2	3.0
074	82.0	80.0	80.0	41.31	33.9	3.0
075	145.0	80.0	80.0	41.31	33.9	3.0
076	32.0	30.0	100.0	51.64	5.2	3.0
077	60.0	30.0	100.0	51.64	5.2	3.0
078	90.0	100.0	100.0	51.64	41.6	3.0
079	145.0	100.0	100.0	51.64	41.6	3.0

080	32.0	30.0	130.0	67.13	4.7	3.0
081	22.0	20.0	150.0	77.46	3.6	3.0
082	40.0	20.0	150.0	77.46	3.6	3.0
083	32.0	30.0	150.0	77.46	4.5	3.0
084	60.0	30.0	150.0	77.46	4.5	3.0
085	90.0	100.0	150.0	77.46	21.3	3.0
086	145.0	100.0	150.0	77.46	21.3	3.0
087	32.0	30.0	200.0	103.27	4.1	3.0
088	90.0	100.0	200.0	103.27	15.9	3.0
089	145.0	100.0	200.0	103.27	15.9	3.0
090	22.0	20.0	250.0	129.09	3.4	3.0
091	40.0	20.0	250.0	129.09	3.4	3.0
092	62.0	60.0	250.0	129.09	6.5	3.0
093	95.0	60.0	250.0	129.09	6.5	3.0
094	32.0	30.0	300.0	154.91	3.7	3.0
095	60.0	30.0	300.0	154.91	3.7	3.0
096	62.0	60.0	300.0	154.91	5.9	3.0
097	95.0	60.0	300.0	154.91	5.9	3.0
098	32.0	30.0	400.0	206.55	3.5	3.0
099	60.0	30.0	400.0	206.55	3.5	3.0
100	32.0	30.0	500.0	258.19	3.4	3.0
101	60.0	30.0	500.0	258.19	3.4	3.0
102	32.0	30.0	700.0	361.46	3.3	3.0
103	60.0	30.0	700.0	361.46	3.3	3.0
104	32.0	30.0	1000.0	516.37	3.2	3.0
105	60.0	30.0	1000.0	516.37	3.2	3.0

Standard Size Table (Material: UV Grade Fused Silica)

Dimension P/N	X (mm)	Y (mm)	f (mm)	R (mm)	tc (mm)	te (mm)
001	11.0	7.2	8.0	3.67	4.9	2.0
002	14.0	9.0	10.0	4.59	5.6	2.0
003	15.0	10.0	12.7	5.82	4.8	2.0
004	15.0	10.0	25.0	11.46	3.1	2.0
005	23.0	15.0	25.0	11.46	4.8	2.0
006	30.0	20.0	25.0	11.46	7.8	2.0
007	35.0	23.0	25.4	11.65	11.6	2.0
008	30.0	20.0	30.0	13.75	6.3	2.0
009	30.0	20.0	75.0	34.39	3.5	2.0
010	45.0	30.0	100.0	45.85	5.5	3.0
011	45.0	30.0	500.0	229.23	3.5	3.0