

# Plano Convex Lens

## Features

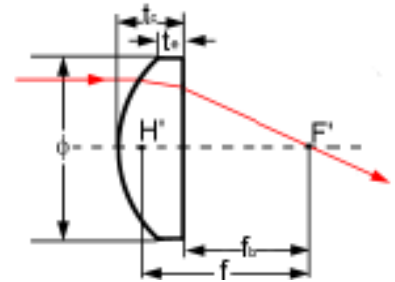
- High Precision Dimension
- Optional Substrate Material

## Applications

- Projection Optics System
- Imaging System
- Optical Display System
- Laser Measurement System

## Specifications

Material	BK7, Fused silica
Diameter tolerance	±0.1mm
Design wavelength	546.1nm
Focal tolerance	2%
Surface quality	60-40 S/D
Centration	3 arcmin
Surface flatness	λ/4@632.8nm
Clear aperture	>90%
Bevel	Protective bevel



## Standard Products

Part No.	Material	Φ(mm)	F(mm)	R(mm)	Tc(mm)	Te(mm)	Fb(mm)
HPCX0201	BK7	10.0	15.0	7.78	3.8	2.0	12.5
HPCX0203	BK7	12.7	15.0	7.78	5.3	2.0	11.5
HPCX0205	BK7	12.7	25.0	12.96	3.7	2.0	22.6
HPCX0206	BK7	12.7	30.0	15.55	3.4	2.0	27.8
HPCX0207	BK7	12.7	40.0	20.73	3.0	2.0	38.0
HPCX0208	BK7	12.7	50.0	25.92	2.8	2.0	48.2
HPCX0209	BK7	12.7	75.0	38.87	2.5	2.0	73.4
HPCX0210	BK7	12.7	100.0	51.83	2.4	2.0	98.4
HPCX0211	BK7	14.0	25.0	12.968	4.0	1.9	22.4
HPCX0212	BK7	17.0	34.0	17.637	4.2	2.0	31.2
HPCX0301	BK7	20.0	40.0	20.73	4.5	1.9	37.0
HPCX0303	BK7	22.4	60.0	31.10	4.1	2.0	57.3
HPCX0306	BK7	25.4	25.4	13.17	11.7	2.0	17.7
HPCX0307	BK7	25.4	35.0	18.14	7.2	2.0	30.3
HPCX0308	BK7	25.4	50.0	28.92	5.3	2.0	46.5
HPCX0310	BK7	25.4	70.0	36.28	4.3	2.0	67.2
HPCX0311	BK7	25.4	100.0	51.83	3.6	2.0	97.6
HPCX0312	BK7	25.4	150.0	77.75	3.0	2.0	148.0
HPCX0313	BK7	25.4	300.0	155.49	2.5	2.0	298.4
HPCX0314	BK7	25.4	500.0	259.15	2.3	2.0	498.5
HPCX0315	BK7	25.4	1000.0	518.30	2.2	2.0	998.6
HPCX0401	BK7	30.0	35.0	18.155	9.9	2.0	28.5

HPCX0402	BK7	30.0	80.0	41.46	4.8	2.0	76.8
HPCX0403	BK7	30.0	100.0	51.83	4.2	2.0	97.2
HPCX0404	BK7	30.0	120.0	62.25	3.8	2.0	117.5
HPCX0405	BK7	30.0	300.0	155.62	3.8	3.1	297.5
HPCX0406	BK7	38.0	50.0	25.92	11.3	3.0	42.6
HPCX0407	BK7	38.0	100.0	51.83	6.6	3.0	95.7
HPCX0408	BK7	38.0	150.0	77.75	5.3	3.0	146.5
HPCX0409	BK7	38.0	700.0	362.81	3.5	3.0	697.7
HPCX0410	BK7	42.0	150.0	77.808	4.9	2.0	146.8
HPCX0501	BK7	50.0	100.0	51.83	9.4	3.0	93.8
HPCX0502	BK7	50.0	150.0	77.75	7.1	3.0	145.3
HPCX0503	BK7	50.0	400.0	207.32	4.5	3.0	397.0
HPCX0504	BK7	50.0	500.0	259.15	4.2	3.0	497.2
HPCX0505	BK7	50.0	800.0	414.64	3.8	3.0	797.5
HPCX0507	BK7	50.8	127.0	65.878	8.0	2.9	121.7
HPCX0508	BK7	50.8	120.0	62.244	8.3	2.88	114.5
HPCX0601	BK7	60.0	70.0	36.311	18.6	2.7	57.8
HPCX1201	Fused silica	12.7	15.0	6.9	6.2	2.0	10.8
HPCX1202	Fused silica	12.7	20.0	9.2	4.5	2.0	16.9
HPCX1203	Fused silica	12.7	25.0	11.5	3.9	2.0	22.3
HPCX1204	Fused silica	12.7	30.0	13.8	3.6	2.0	27.5
HPCX1205	Fused silica	12.7	40.0	18.4	3.1	2.0	37.9
HPCX1301	Fused silica	25.4	35.0	16.1	8.2	2.0	29.4
HPCX1302	Fused silica	25.4	50.0	23.0	5.8	2.0	46.0
HPCX1303	Fused silica	25.4	75.0	34.51	4.4	2.0	72.0
HPCX1304	Fused silica	25.4	100.0	46.01	3.8	2.0	97.4
HPCX1305	Fused silica	25.4	150.0	69.01	3.2	2.0	147.8
HPCX1306	Fused silica	25.4	175.0	80.51	3.0	2.0	172.9
HPCX1307	Fused silica	25.4	200.0	92.02	2.9	2.0	198.0
HPCX1308	Fused silica	25.4	250.0	115.02	2.7	2.0	248.2
HPCX1309	Fused silica	25.4	300.0	138.02	2.6	2.0	298.2
HPCX1311	Fused silica	25.4	500.0	230.04	2.4	2.0	498.4
HPCX1312	Fused silica	25.4	1000.0	460.08	2.2	2.0	998.5
HPCX1401	Fused silica	38.0	50.0	23.0	13.0	3.0	41.1
HPCX1402	Fused silica	38.0	100.0	46.01	7.1	3.0	95.1
HPCX1403	Fused silica	38.0	150.0	69.01	5.7	3.0	146.1
HPCX1404	Fused silica	38.0	200.0	92.02	5.0	3.0	196.6
HPCX1405	Fused silica	38.0	350.0	161.03	4.1	3.0	347.2
HPCX1406	Fused silica	38.0	500.0	230.04	3.8	3.0	497.4

Other size and coating are available upon request.