



## PLANO-CONVEX LENSES

Used with the convex side facing the longer conjugate, these lenses act as a focusing element. They are useful in large *f*-number applications.

## Barium Fluoride (BaF<sub>2</sub>)

Diameter tolerance	+0,-0.005" (+0,-0.13 mm)
Center Thickness tolerance	±0.008" (±0.2 mm)
Design Wavelength	5.0 microns
Focal Length tolerance	±2%
Surface Quality	60/40
Clear Aperture	90% Central Diameter
Wedge Angle	< 3 arc min
Surface Irregularity	1 λ at 633 nm

CAT #	DIA, in	DIA, mm	FOC, mm	CT, mm	R, mm	ET, mm
BF-PX-12-25	0.5	12.7	25	4.0	11.296	2.0
BF-PX-12-50	0.5	12.7	50	3.0	22.619	2.0
BF-PX-12-75	0.5	12.7	75	2.6	33.870	2.0
BF-PX-25-50	1.0	25.4	50	5.9	22.619	2.0
BF-PX-25-63	1.0	25.4	63	5.0	28.380	2.0
BF-PX-25-75	1.0	25.4	75	4.5	33.870	2.0
BF-PX-25-100	1.0	25.4	100	3.9	45.080	2.0
BF-PX-25-150	1.0	25.4	150	3.2	67.570	2.0
BF-PX-25-200	1.0	25.4	200	2.9	90.200	2.0
BF-PX-25-250	1.0	25.4	250	2.7	112.720	2.0
BF-PX-25-500	1.0	25.4	500	2.6	224.900	2.0
BF-PX-25-1000	1.0	25.4	1000	2.2	449.500	2.0
BF-PX-25-2000	1.0	25.4	2000	2.1	899.500	2.0
BF-PX-38-50	1.5	38.1	50	12.5	22.619	2.1
BF-PX-38-63	1.5	38.1	63	9.4	28.380	2.1
BF-PX-38-75	1.5	38.1	75	7.9	33.870	2.0
BF-PX-38-100	1.5	38.1	100	6.3	45.080	2.0
BF-PX-38-150	1.5	38.1	150	4.7	67.570	2.0
BF-PX-38-200	1.5	38.1	200	4.0	90.200	2.0
BF-PX-38-250	1.5	38.1	250	3.6	112.720	2.0
BF-PX-38-500	1.5	38.1	500	2.8	224.900	2.0
BF-PX-38-1000	1.5	38.1	1000	2.4	449.500	2.0
BF-PX-38-2000	1.5	38.1	2000	2.3	899.500	2.0
BF-PX-50-75	2.0	50.8	75	14.0	33.870	2.5
BF-PX-50-100	2.0	50.8	100	10.5	45.080	2.5
BF-PX-50-150	2.0	50.8	150	7.4	67.570	2.5
BF-PX-50-200	2.0	50.8	200	6.1	90.200	2.5
BF-PX-50-250	2.0	50.8	250	5.4	112.720	2.5
BF-PX-50-500	2.0	50.8	500	3.9	224.900	2.5
BF-PX-50-1000	2.0	50.8	1000	3.2	449.500	2.5
BF-PX-50-2000	2.0	50.8	2000	2.8	899.500	2.5

Custom sizes and specifications are available