



PLANO-CONCAVE LENSES

Used with the concave side facing the longer conjugate, these lenses act as a beam-expanding element in large *f*-number systems.

Calcium Fluoride (CaF₂)

Diameter tolerance	+0,-0.005" (+0,-0.13 mm)
Center Thickness tolerance	±0.008" (±0.2 mm)
Design Wavelength	5 microns
Focal Length Tolerance	±2%
Surface Quality	60/40
Clear Aperture	90% Central Diameter
Wedge Angle	< 3 arc min
Surface Irregularity	1/2 λ at 633 nm

CAT #	DIA, in	DIA, mm	FOC, mm	CT, mm	R, mm	ET, mm
CF-PC-12-25	0.5	12.7	-25.4	1.5	10.209	3.7
CF-PC-12-50	0.5	12.7	-50.8	1.5	20.460	2.5
CF-PC-12-76	0.5	12.7	-76.2	1.5	30.690	2.2
CF-PC-25-50	1	25.4	-50.8	2.0	20.460	6.4
CF-PC-25-63	1	25.4	-63.5	2.0	25.590	5.4
CF-PC-25-76	1	25.4	-76.2	2.0	30.698	4.8
CF-PC-25-100	1	25.4	-100	2.0	40.350	4.0
CF-PC-38-50	1.5	38.1	-50.8	2.5	20.460	15.5
CF-PC-38-63	1.5	38.1	-63.5	2.5	25.590	11.0
CF-PC-38-76	1.5	38.1	-76.2	2.5	30.698	9.1
CF-PC-38-100	1.5	38.1	-100	2.5	40.350	7.1
CF-PC-50-76	2	50.8	-76.2	3.0	30.698	13.0
CF-PC-50-100	2	50.8	-100	3.0	40.350	12.0
CF-PC-50-200	2	50.8	-200	3.0	80.540	7.1
CF-PC-50-500	2	50.8	-500	3.0	200.42	4.6

Custom sizes and specifications are available