

# Sapphire (Al<sub>2</sub>O<sub>3</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

CAT #	DIA, in	DIA, mm	FOC, mm	CT, mm	R, mm	ET, mm
AL-PX-12-25	0.5	12.7	25.4	2.8	15.92	1.5
AL-PX-12-50	0.5	12.7	50.8	2.1	31.62	1.5
AL-PX-12-76	0.5	12.7	76.2	1.9	47.64	1.5
AL-PX-25-50	1.0	25.4	50.8	4.7	31.62	2.0
AL-PX-25-63	1.0	25.4	63.5	4.1	39.61	2.0
AL-PX-25-76	1.0	25.4	76.2	3.7	47.64	2.0
AL-PX-25-100	1.0	25.4	100	3.3	62.37	2.0
AL-PX-25-200	1.0	25.4	200	2.7	124.74	2.0
AL-PX-25-500	1.0	25.4	500	2.3	311.90	2.0
AL-PX-38-50	1.5	38.1	50.8	8.9	31.62	2.5
AL-PX-38-63	1.5	38.1	63.5	7.4	39.61	2.5
AL-PX-38-76	1.5	38.1	76.2	6.5	47.64	2.5
AL-PX-38-100	1.5	38.1	100	5.5	62.37	2.5
AL-PX-38-200	1.5	38.1	200	4.0	124.74	2.5
AL-PX-38-500	1.5	38.1	500	3.1	311.90	2.5
AL-PX-50-76	2.0	50.8	76.2	9.8	47.64	2.5
AL-PX-50-100	2.0	50.8	100	7.9	62.37	2.5
AL-PX-50-200	2.0	50.8	200	5.1	124.74	2.5
AL-PX-50-500	2.0	50.8	500	3.5	311.90	2.5

Custom sizes and specifications are available