

# Silicon (Si)

Diameter tolerance	+0,-0.005" (+0,-0.13 mm)	Surface Quality 80/50
Center Thickness tolerance	±0.008" (±0.2 mm)	
Design Wavelength	4.0 microns	Clear Aperture 90% Central Diameter
Focal Length Tolerance	±2%	
Surface Irregularity	1λ at 633 nm	Wedge Angle < 3 arc min

CAT#	DIA, in	DIA, mm	FOC, mm	CT, mm	R, mm	ET, mm
SI-PX-12-25	0.5	12.7	25.4	2.3	61.66	2.0
SI-PX-12-50	0.5	12.7	50.8	2.1	123.59	2.0
SI-PX-12-76	0.5	12.7	76.2	2.1	184.50	2.0
SI-PX-25-50	1.0	25.4	50.8	2.6	123.59	2.0
SI-PX-25-63	1.0	25.4	63.5	2.5	154.17	2.0
SI-PX-25-76	1.0	25.4	76.2	2.4	184.50	2.0
SI-PX-25-100	1.0	25.4	100	2.3	242.42	2.0
SI-PX-25-150	1.0	25.4	150	2.2	363.54	2.0
SI-PX-25-200	1.0	25.4	200	2.1	483.10	2.0
SI-PX-25-250	1.0	25.4	250	2.1	608.10	2.0
SI-PX-25-500	1.0	25.4	500	2.0	1213.90	2.0
SI-PX-27-50	1.1	27.94	50.8	2.8	123.59	2.0
SI-PX-27-63	1.1	27.94	63.5	2.6	154.17	2.0
SI-PX-27-76	1.1	27.94	76.2	2.5	184.50	2.0
SI-PX-27-100	1.1	27.94	100	2.4	242.42	2.0
SI-PX-27-150	1.1	27.94	150	2.3	363.54	2.0
SI-PX-27-200	1.1	27.94	200	2.2	483.10	2.0
SI-PX-27-250	1.1	27.94	250	2.2	608.10	2.0
SI-PX-27-500	1.1	27.94	500	2.1	1213.90	2.0
SI-PX-38-50	1.5	38.1	50.8	3.5	123.59	2.0
SI-PX-38-63	1.5	38.1	63.5	3.2	154.17	2.0
SI-PX-38-76	1.5	38.1	76.2	3.0	184.50	2.0
SI-PX-38-100	1.5	38.1	100	2.8	242.42	2.0
SI-PX-38-150	1.5	38.1	150	2.5	363.54	2.0
SI-PX-38-200	1.5	38.1	200	2.4	483.10	2.0
SI-PX-38-250	1.5	38.1	250	2.3	608.10	2.0
SI-PX-38-500	1.5	38.1	500	2.2	1213.90	2.0
SI-PX-38-1000	1.5	38.1	1000	2.1	2425.10	2.0
SI-PX-38-2000	1.5	38.1	2000	2.0	4920.00	2.0
SI-PX-50-76	2.0	50.8	76.2	4.3	184.50	2.5
SI-PX-50-100	2.0	50.8	100	3.8	242.42	2.5
SI-PX-50-150	2.0	50.8	150	3.4	363.54	2.5
SI-PX-50-200	2.0	50.8	200	3.2	483.10	2.5
SI-PX-50-250	2.0	50.8	250	3.0	608.10	2.5
SI-PX-50-500	2.0	50.8	500	2.8	1213.90	2.5
SI-PX-50-1000	2.0	50.8	1000	2.6	2425.10	2.5
SI-PX-50-2000	2.0	50.8	2000	2.6	4920.00	2.5
SI-PX-76-150	3.0	76.2	150	5.0	363.54	3.0
SI-PX-76-200	3.0	76.2	200	4.5	483.10	3.0
SI-PX-76-250	3.0	76.2	250	4.2	608.10	3.0
SI-PX-76-500	3.0	76.2	500	3.6	1213.90	3.0
SI-PX-76-1000	3.0	76.2	1000	3.3	2425.10	3.0
SI-PX-76-2000	3.0	76.2	2000	3.2	4920.00	3.0

Custom sizes and specifications are available