

Silicon (Si)

Diameter tolerance	+0,-0.005" (+0,-0.13 mm)
Center Thickness tolerance	±0.008" (±0.2 mm)
Design Wavelength	10.6 microns
Focal Length Tolerance	±2%
Surface Quality	60/40
Clear Aperture	90% Central Diameter
Wedge Angle	< 3 arc min
Surface Irregularity	1/20 λ at 10.6 microns

CAT#	DIA,in	DIA,mm	FOC,mm	CT,mm	ET,mm	SAG1,mm	SAG2,mm	R1CC,mm	R2CX,mm
SI-PM-12-12	0.5	12.7	12.7	2.6	2.0	1.0	1.7	18.92	12.88
SI-PM-12-25	0.5	12.7	25.4	2.3	2.0	0.5	0.8	39.26	25.00
SI-PM-12-50	0.5	12.7	50.8	2.1	2.0	0.2	0.4	81.67	50.48
SI-PM-25-25	1.0	25.4	25.4	3.3	2.0	2.1	3.5	39.26	25.00
SI-PM-25-38	1.0	25.4	38.1	2.9	2.0	1.3	2.1	63.39	38.73
SI-PM-25-50	1.0	25.4	50.8	2.6	2.0	1.0	1.6	81.67	50.48
SI-PM-25-63	1.0	25.4	63.5	2.5	2.0	0.8	1.3	105.45	63.68
SI-PM-25-76	1.0	25.4	76.2	2.4	2.0	0.6	1.1	130.61	76.05
SI-PM-25-100	1.0	25.4	100	2.3	2.0	0.5	0.8	168.27	100.00
SI-PM-25-127	1.0	25.4	127	2.3	2.0	0.4	0.6	212.83	127.35
SI-PM-25-150	1.0	25.4	150	2.3	2.0	0.3	0.5	255.90	151.01
SI-PM-38-38	1.5	38.1	38.1	5.0	3.0	3.1	5.0	60.13	38.73
SI-PM-38-50	1.5	38.1	50.8	4.4	3.0	2.3	3.7	79.43	50.48
SI-PM-38-63	1.5	38.1	63.5	4.1	3.0	1.8	2.9	103.05	63.68
SI-PM-38-76	1.5	38.1	76.2	3.9	3.0	1.4	2.4	130.61	78.16
SI-PM-38-100	1.5	38.1	100	3.7	3.0	1.1	1.8	164.47	100.00
SI-PM-38-127	1.5	38.1	127	3.6	3.0	0.9	1.4	212.83	127.35
SI-PM-38-150	1.5	38.1	150	3.4	3.0	0.7	1.2	255.90	151.01
SI-PM-38-200	1.5	38.1	200	3.3	3.0	0.5	0.9	336.39	199.08
SI-PM-50-50	2.0	50.8	50.8	6.2	3.5	3.8	6.4	86.70	53.33
SI-PM-50-63	2.0	50.8	63.5	5.6	3.5	3.2	5.3	103.05	63.68
SI-PM-50-76	2.0	50.8	76.2	5.3	3.5	2.5	4.2	130.61	78.16
SI-PM-50-100	2.0	50.8	100	4.8	3.5	2.0	3.3	164.47	100.00
SI-PM-50-127	2.0	50.8	127	4.5	3.5	1.5	2.6	212.83	127.35
SI-PM-50-150	2.0	50.8	150	4.4	3.5	1.3	2.2	255.90	151.01
SI-PM-50-200	2.0	50.8	200	4.2	3.5	1.0	1.6	336.39	199.08

Custom sizes and specifications are available