

Silicon (Si)

Diameter tolerance	0,-0.005"
Center Thickness tolerance	+/-0.008"
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-NM-12-12	0.5	12.7	-12.7	1.2	2.0	1.7	0.9	12.70	22.91
SI-NM-12-25	0.5	12.7	-25.4	1.7	2.0	0.8	0.4	25.35	45.29
SI-NM-12-50	0.5	12.7	-50.8	1.9	2.0	0.4	0.2	50.70	89.14
SI-NM-25-25	1.0	25.4	-25.4	1.5	3.0	3.4	1.8	25.35	45.29
SI-NM-25-38	1.0	25.4	-38.1	2.1	3.0	2.1	1.2	39.08	70.15
SI-NM-25-50	1.0	25.4	-50.8	2.3	3.0	1.6	0.9	50.70	89.14
SI-NM-25-63	1.0	25.4	-63.5	2.6	3.0	1.2	0.6	69.66	130.62
SI-NM-25-76	1.0	25.4	-76.2	2.6	3.0	1.1	0.6	76.39	134.29
SI-NM-25-100	1.0	25.4	-100	2.7	3.0	0.8	0.5	96.38	162.22
SI-NM-25-127	1.0	25.4	-127	2.8	3.0	0.6	0.4	127.98	222.86
SI-NM-25-150	1.0	25.4	-150	2.8	3.0	0.5	0.3	151.05	265.52
SI-NM-38-38	1.5	38.1	-38.1	1.8	4.0	5.0	2.6	39.08	70.15
SI-NM-38-50	1.5	38.1	-50.8	2.3	4.0	3.7	2.1	50.70	89.14
SI-NM-38-63	1.5	38.1	-63.5	2.7	4.0	2.7	1.4	69.66	130.62
SI-NM-38-76	1.5	38.1	-76.2	2.8	4.0	2.4	1.4	76.39	134.29
SI-NM-38-100	1.5	38.1	-100	3.2	4.0	1.9	1.1	96.38	162.22
SI-NM-38-127	1.5	38.1	-127	3.4	4.0	1.4	0.8	127.98	222.86
SI-NM-38-150	1.5	38.1	-150	3.4	4.0	1.2	0.7	151.05	265.52
SI-NM-38-200	1.5	38.1	-200	3.4	4.0	0.9	0.5	200.37	349.85
SI-NM-50-50	2.0	50.8	-50.8	1.9	5.0	6.8	3.7	50.70	89.14
SI-NM-50-63	2.0	50.8	-63.5	2.7	5.0	4.8	2.5	69.66	130.62
SI-NM-50-76	2.0	50.8	-76.2	3.1	5.0	4.3	2.4	76.39	134.29
SI-NM-50-100	2.0	50.8	-100	3.6	5.0	3.4	2.0	96.38	162.22
SI-NM-50-150	2.0	50.8	-127	3.9	5.0	2.5	1.5	127.98	222.86
SI-NM-50-150	2.0	50.8	-150	4.1	5.0	2.2	1.2	151.05	265.52
SI-NM-50-200	2.0	50.8	-200	4.4	5.0	1.6	0.9	200.37	349.85

Custom sizes and specifications are available