

Silicon (Si)

Material	Silicon
Diameter tolerance	+0,-0.002" (+0,-0.05 mm)
Center Thickness tolerance	±0.004" (±0.1 mm)
Design Wavelength	4.0 micron
Focal Length Tolerance	±3 %
Surface Quality	60/40
Clear Aperture	90 % Central Diameter
Wedge Angle	< 6 arc min

CAT#	DIA, in	DIA, mm	FOC, mm	CT, mm	ET, mm	R, mm
SI-BXM-2-1.5	0.08	2.0	1.5	0.7	0.55	7.060
SI-BXM-2-2.0	0.08	2.0	2.0	0.6	0.49	9.506
SI-BXM-2-3.0	0.08	2.0	3.0	0.6	0.53	14.355
SI-BXM-2-4.0	0.08	2.0	4.0	0.6	0.54	19.187
SI-BXM-4-4.0	0.16	4.0	4.0	0.7	0.49	19.187
SI-BXM-4-6.0	0.16	4.0	6.0	0.6	0.46	28.840
SI-BXM-4-8.0	0.16	4.0	8.0	0.6	0.49	38.550
SI-BXM-4-10.0	0.16	4.0	10.0	0.6	0.51	48.200

Zinc Selenide CVD Grade (ZnSe)

Material	Zinc Selenide CVD Grade (ZnSe)
Diameter tolerance	+0,-0.002" (+0,-0.05 mm)
Center Thickness tolerance	±0.004" (±0.1 mm)
Design Wavelength	10.6 microns
Focal Length Tolerance	±3%
Surface Quality	60/40
Clear Aperture	90% Central Diameter
Wedge Angle	< 6 arc min

CAT#	DIA, in	DIA, mm	FOC, mm	CT, mm	ET, mm	R, mm
ZC-BXM-2-1.5	0.08	2.0	1.5	0.8	0.54	4.018
ZC-BXM-2-2.0	0.08	2.0	2.0	0.7	0.51	5.445
ZC-BXM-2-3.0	0.08	2.0	3.0	0.6	0.48	8.241
ZC-BXM-2-4.0	0.08	2.0	4.0	0.6	0.51	11.050
ZC-BXM-4-4.0	0.16	4.0	4.0	0.9	0.53	11.050
ZC-BXM-4-6.0	0.16	4.0	6.0	0.7	0.45	16.672
ZC-BXM-4-8.0	0.16	4.0	8.0	0.7	0.52	22.280
ZC-BXM-4-10.0	0.16	4.0	10.0	0.7	0.55	27.930

Custom sizes and specifications are available