

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 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
SI-PXM-2-1.5	0.08	2.0	1.5	0.7	0.55	3.631
SI-PXM-2-2.0	0.08	2.0	2.0	0.6	0.49	4.831
SI-PXM-2-3.0	0.08	2.0	3.0	0.6	0.53	7.278
SI-PXM-2-4.0	0.08	2.0	4.0	0.6	0.54	9.683
SI-PXM-4-4.0	0.16	4.0	4.0	0.7	0.49	9.683
SI-PXM-4-6.0	0.16	4.0	6.0	0.6	0.46	14.555
SI-PXM-4-8.0	0.16	4.0	8.0	0.6	0.49	19.409
SI-PXM-4-10.0	0.16	4.0	10.0	0.6	0.51	24.222

Zinc Selenide CVD Grade (ZnSe)

Material	Zinc Selenide CVD Grade
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-PXM-2-1.5	0.08	2.0	1.5	0.8	0.54	2.109
ZC-PXM-2-2.0	0.08	2.0	2.0	0.7	0.51	2.831
ZC-PXM-2-3.0	0.08	2.0	3.0	0.6	0.48	4.246
ZC-PXM-2-4.0	0.08	2.0	4.0	0.6	0.51	5.623
ZC-PXM-4-4.0	0.16	4.0	4.0	0.9	0.53	5.623
ZC-PXM-4-6.0	0.16	4.0	6.0	0.7	0.45	8.433
ZC-PXM-4-8.0	0.16	4.0	8.0	0.7	0.52	11.220
ZC-PXM-4-10.0	0.16	4.0	10.0	0.7	0.55	14.060

Custom sizes and specifications are available