

# Zinc Selenide CVD (ZnSe CVD)

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 $\lambda$ at 10.6 microns

CAT#	DIA, in	DIA, mm	FOC, mm	CT, mm	ET, mm	Sag1, mm	Sag2, mm	R1cc, mm	R2cx, mm
ZC-NM-12-12	0.5	12.7	-13.0	2.2	3.5	2.1	0.7	10.72	29.38
ZC-NM-12-25	0.5	12.7	-25.0	2.2	2.8	0.9	0.3	22.96	70.15
ZC-NM-12-50	0.5	12.7	-50.0	2.5	2.8	0.6	0.2	43.47	118.84
ZC-NM-25-25	1.0	25.4	-25.0	3.0	5.8	4.2	1.4	21.23	58.49
ZC-NM-25-38	1.0	25.4	-38.0	3.0	4.6	3.0	0.6	37.15	130.62
ZC-NM-25-50	1.0	25.4	-50.0	3.2	4.4	1.9	0.6	43.47	118.84
ZC-NM-25-63	1.0	25.4	-63.5	3.0	3.9	1.3	0.3	64.27	236.02
ZC-NM-25-76	1.0	25.4	-75.0	2.7	3.5	1.2	0.5	66.25	182.39
ZC-NM-25-100	1.0	25.4	-100	3.0	3.6	0.8	0.2	104.24	414.00
ZC-NM-25-127	1.0	25.4	-127	3.2	3.7	0.6	0.2	127.98	483.06
ZC-NM-38-38	1.5	38.1	-38.0	4.3	8.4	6.2	2.0	37.15	130.62
ZC-NM-38-50	1.5	38.1	-50.0	4.0	6.9	4.4	1.5	43.47	118.84
ZC-NM-38-63	1.5	38.1	-63.5	4.0	6.1	2.9	0.8	64.27	236.02
ZC-NM-38-76	1.5	38.1	-75.0	3.8	5.6	2.8	1.0	66.25	182.39
ZC-NM-38-100	1.5	38.1	-100	4.0	5.3	1.8	0.4	104.24	414.00
ZC-NM-38-127	1.5	38.1	-127	5.0	6.0	1.7	0.6	127.98	483.06
ZC-NM-38-150	1.5	38.1	-150	4.0	4.9	1.2	0.5	151.05	535.80
ZC-NM-50-50	2.0	50.8	-50.0	4.0	9.4	8.0	2.6	43.47	118.84
ZC-NM-50-76	2.0	50.8	-75.0	4.0	7.3	5.0	1.8	66.25	182.39
ZC-NM-50-100	2.0	50.8	-100	6.2	8.6	3.8	1.3	104.24	414.00
ZC-NM-50-127	2.0	50.8	-127	6.0	7.9	2.5	0.7	127.98	483.06
ZC-NM-50-150	2.0	50.8	-150	5.7	7.3	2.5	0.9	130.61	354.84
ZC-NM-50-200	2.0	50.8	-200	6.2	7.4	1.6	0.5	200.37	698.17

Custom sizes and specifications are available