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OPTICAL CRYSTALS (10.01.2018)

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Material	Dimensions	Description	Notes	Q-ty	No.	Price
BaF2	17 mm dia x 9 mm	blank		16 pcs	8369/1	€ 14
BaF2	25.4 mm dia x 2.5 mm	blank		37 pcs	11788	€ 8
BaF2	76.2 mm dia x 67 mm	blank (scintillator)		1 pc		€ 850
BaF2	4.2 x 4.2 x 1 mm	window		6 pcs	4339	€ 12
BaF2	6,5 mm dia x 1 mm	window		178 pcs	7212	€ 15
BaF2	8 mm dia x 1,2 mm	window		873 pcs	6099	€ 2,0
BaF2	10 x 10 x 1 mm	window	[011], N<1, ΔN=0,5, P=III, wedge ≤3'	2 pcs	11700	€ 66,0
BaF2	10,08 x 10,06 x 2,05 mm	window	[011], N<1, ΔN=0,3, P=III, wedge ≤3'	2 pcs	11768	€ 66,0
BaF2	12 mm dia x 1 mm	window		26 pcs	12588	€ 15,0
BaF2	17,78 mm dia x 1 mm	window		35 pcs		€ 16
BaF2	20 mm dia x 3 mm	window	with Al2O3 coating	9 pcs	8903	€ 80
BaF2	25 mm dia x 3 mm	window		2 pcs	8597/1	€ 75
BaF2	25 mm dia x 2 mm	window	P IV	2 pcs	14626/2	€ 29
BaF2	25,4 mm dia x 3 mm	window		1 pc	9667	€ 65
BaF2	25,4 mm dia x 4 mm	window		3 pcs	11803	€ 69
BaF2	25,4 x 25,4 x 1 mm	window		3 pcs	15359	€ 40
BaF2	40 mm dia x 2 mm	window	N<3, ΔN<1, P=IV, wedge 5'	4 pcs	12222	€ 60
BaF2	45 mm dia x 4 mm	window		1 pc		€ 120
BaF2	44,45 mm dia x 3,5 mm	window		4 pcs	12541	€ 95
BaF2	44,6 mm dia x 3,5 mm	window		1 pc	9854	€ 110
BaF2	44,6 mm dia x 3,5 mm	window		1 pc	11123	€ 97
BaF2	44,6 mm dia x 3,5 mm	window		6 pcs	11704	€ 50
BaF2	75 mm dia x 2 mm	window		13 pcs	8782/4	€ 60

BaF2	95 mm dia x 4 mm	window		8 pcs	8782/6	€ 105
BaF2	100 mm dia x 10 mm	window	N=2, $\Delta N=0,5$; P=IV	1 pc		€ 375
BaF2	38,1 mm dia x 3,8 mm (tc)	lens pl-cvx	FL=495 mm, R=225,565 mm	1 pc	11803/11	€ 199
CaF2 Vis & IR	32 mm dia x 3 mm	window		1 pc	3767/2	€ 32
CaF2 IR	20 x 10 x 1 mm	blank		10 pcs	11009	€ 17
CaF2 IR	25 mm dia x 3,4 mm	blank pl-cnv	R=34,453 mm	1 pc	4867	€ 70
CaF2 IR	25 mm dia x 15 mm	blank		3 pcs	11122	€ 27
CaF2 IR	25 mm dia x 10 mm	blank		1 pc	11081/1	€ 20
CaF2 IR	27,94 mm dia x 5,33 mm	blank		4 pcs	7747	€ 18
CaF2 IR	30 mm dia x 6,5 mm	blank		6 pcs	1526/2	€ 11
CaF2 UV	30 mm dia x 3,8 mm	blank		1 pc		€ 15
CaF2 UV	38,1 mm dia x 6,8 mm	blank		1 pc		€ 35
CaF2 IR	69.6 mm dia x 10 mm	blank		7 pcs	2080	€ 41
CaF2 IR	25.0 mm dia x 2.4 mm (tc), R=95.59 mm	lens pl-cvx		26 pcs	8276	€ 25
CaF2 IR	25.4 mm dia x 6,5 mm, R=20 mm	lens pl-cvx	$N \leq 1$, $\Delta N=0,3$, P=III	1 pc	11760	€ 140
CaF2 IR	30 mm dia x 4 mm, R=-500 mm	lens pl-cnv		1 pc	11057	€ 115
CaF2 IR	31.5 mm dia x 6,8 (tc) mm, R=27,5 mm, F=63 mm	lens pl-cvx	S/D=60/40	5 pcs	12656	€ 48
CaF2 IR	35.0 mm dia x 3.5 mm (tc), R=88.29 mm	lens pl-cvx		58 pcs	8277	€ 42
CaF2 UV	20 mm x 17.5 mm	rhomb Fresnel		2 pcs	3646	€ 585
CaF2 IR	20 mm x 6.4 mm x 11 mm	Pellin Broca prism		1 pc	4220	€ 290
CaF2 IR	20,64 mm x 8 mm x 8 mm	Dove prism		1 pc	6491	€ 330
CaF2 IR	42,4 mm x 10 mm x 10 mm	Dove prism	little chip on the edge	1 pc	7514	€ 215
CaF2 IR	25,4 mm x 25.4 mm	right-angle prism	angle 45°	10 pcs	3105	€ 108
CaF2 UV	40,0 mm dia, R=28	lens pl-cvx		1 pc	2314	€ 200
CaF2 IR	25,4 mm dia x 12,7 mm	hemisphere	R=12,7 mm, N=5, $\Delta N=1$, P=III	2 pcs	4926	€ 190
CaF2 IR	6,8 mm dia x 1 mm	window		88 pcs	7855	€ 6
CaF2 IR	10 mm dia x 2 mm	window		7 pcs	13703	€ 15
CaF2 IR	12 mm dia x 1 mm	window		966 pcs		€ 5
CaF2 IR	12,5 mm dia x 1,5 mm	window		10 pcs	5716	€ 15
CaF2 IR	13,9 x 13,9 x 1 mm	window	square, S/D 80-50, flatness: λ /inch	14 pcs	9923	€ 10
CaF2 IR	13,9 x 13,9 x 1 mm	window	square	50 pcs	11527	€ 10
CaF2 IR	15 mm dia x 3 mm	window		16 pcs	9305	€ 21

CaF2 IR	17,6 mm dia x 1 mm	window		47 pcs	14980	€ 6
CaF2 IR	20 mm x 20 mm x 2 mm	window		12 pcs	9258/3	€ 25
CaF2 IR	22,2 mm dia x 1 mm	window		46 pcs		€ 20
CaF2 IR	25 mm dia x 2 mm	window		2 pcs	9258/3	€ 27
CaF2 IR	25 mm dia x 2 mm	window	P IV	1 pc	14626/1	€ 19
CaF2 VUV	25 mm dia x 6,5 mm	window		35 pcs		€ 67
CaF2 IR	25,4 mm dia x 6 mm	window	S/D= 60/40; N<4; ΔN=0,5	299 pcs	2073	€ 15
CaF2 IR	25,4 mm dia x 3 mm	window	with antireflection coating	17 pcs	6976/1	€ 18
CaF2 IR	25,4 mm dia x 1,5 mm	window		3 pcs	12389	€ 35
CaF2 IR	25,4 mm dia x 2 mm	wedged window	wedge 7-9 deg.	1 pc	11081/1	€ 30
CaF2 IR	25,4 mm dia x 1,9 mm	wedged window	wedge 8±1 deg.	5 pcs		€ 30
CaF2 IR	25,4 mm dia x 3 mm	window		2 pcs	12444/3	€ 58
CaF2 IR	28 mm dia x 1 mm	window		3 pcs	13346	€ 40
CaF2 IR	30 mm dia x 2 mm	window half-circle		10 pcs	2817	€ 10
CaF2 IR	30 mm dia x 2 mm	window half-circle		25 pcs	5381	€ 12
CaF2 IR	30 mm dia x 3 mm	window		6 pcs	2314/1	€ 24
CaF2 IR	30 mm dia x 3 mm	window		1 pc	12399	€ 54
CaF2 IR	30 mm dia x 5 mm	window		19 pcs	14197*	€ 29
CaF2 IR	32 mm dia x 3 mm	window		3 pcs	3727/2	€ 95
CaF2 IR	40 mm x 23 mm x 2 mm	window	with 2 holes Ø 2 mm	1 pc	5530-2	€ 47
CaF2 VUV	42 mm dia x 12 mm	window		2 pcs		€ 165
CaF2 IR	45 mm dia x 7 mm	window	with 2 holes Ø 1 mm at 30 mm	2 pcs	4230/2	€ 120
CaF2 VUV	48 x 35,5 x 7,95 (2) mm	wedged window		1 pc		€ 160
CaF2 VUV	50 x 27 x 3 mm	window		12 pcs		€ 105
CaF2 VUV	50,8 mm dia x 9,8 mm	window		4 pcs		€ 170
CaF2 IR	61 mm dia x 2,5 mm	window		1 pc	14697	€ 170
CaF2 IR	63 mm dia x 4 mm	window		1 pc	11098	€ 70
CaF2 VUV	65 mm x 36 mm x 8 mm	window		1 pc	8681/3	€ 420
CaF2 IR	70 mm dia x 4 mm	window	centrale hole with dia 25 mm +0.1 mm	2 pcs	3544	€ 135
CaF2 IR	70 mm dia x 4 mm	window	centrale hole with dia 25 mm +0.1 mm	3 pcs	5103	€ 135
CaF2 IR	75 mm dia x 2 mm	window		20 pcs	8782/2	€ 30
CaF2 IR	62 mm dia x 2 mm,	domes	R1=36 m, R2=34 m	4 pcs	PI-224	€ 450
Ge	2,77 mm dia x 2,48 mm	cone		1 pc	10298	€ 188
Ge	2,98 mm dia x 1,6 mm	cone		1 pc	10298	€ 188

Ge	14 mm dia x 3,2 mm, R1=-6,817, R2=14,496 (aspheric) mm	meniscus lens	AR/AR at $\lambda=(3\div5)$ μm	2 pcs	6503/7	€ 580
Ge	25 mm dia x 3,05 mm, R=75, FL=25 mm	lens pl-cvx	AR/AR at $(8\div10)$ μm	1 pc	4419	€ 160
Ge	25,4 mm dia x 3 mm, R=76,865 mm	lens pl-cvx	AR/AR at $(8\div14)$ μm	1 pc	8230	€ 130
Ge	48,76 mm dia x 4,7 mm (tc)	meniscus lens	R1=120,78 mm; R2=487,5 mm; AR/AR at $(8\div11,5)$ μm	1 pc	7565	€ 182
Ge	48,92 mm dia x 4,42 mm (tc)	meniscus lens	R1=120,78 mm; R2=487,5 mm; AR/AR at $(8\div11,5)$ μm	1 pc	7565	€ 182
Ge	12,7 x 12,7 x 12,7 mm	prism	S/D 60-40, flatness 2 wave, angle 90 degr.	2 pc		€ 220
Ge	50 mm x 20 mm x 2 mm	prism	ATR	16 pcs	9753	€ 145
Ge	52 mm x 20 mm x 2 mm	prism	ATR	6 pcs	9917	€ 180
Ge	6,5 mm dia x 1 mm	window	AR/AR at $\lambda=(1,8\div2,5)$ μm	9 pcs	5134	€ 56
Ge	8 mm dia x 1 mm	window	BBAR at $\lambda=(2,5\div14)$ μm	50 pcs	4927	€ 30
Ge	12 mm dia x 0,5 mm	window		5 pcs	12198	€ 30
Ge	12,7 mm dia x 2 mm	window		1 pc	4069	€ 60
Ge	13 mm dia x 1 mm	window	BBAR at $\lambda=(2,5\div14)$ μm	103 pcs	4927	€ 60
Ge	16 mm dia x 1 mm	window		3 pcs	11921/1	€ 75
Ge	20 x 10 x 0,5 mm	window		2 pcs	11218	€ 83
Ge	28 mm dia x 3,52 mm	window		5 pcs	15158	€ 85
Ge	73,6 mm dia x 7 mm	window		1 pc	3781	€ 620
Ge	80 x 20 x 2 mm	window		2 pcs	1 (A)	€ 290
KBr	7,4 mm dia x 7,62 mm	blank		4 pcs	9703	€ 15
KBr	16 mm dia x 2 mm	blank		4 pcs		€ 30
KBr	49,9 mm dia x 6,5 mm	blank		27 pcs		€ 43
KBr	51 x 28,5 x 12 mm	blank		1 pc	9754	€ 57
LiF	6,35 mm dia x 1 mm	blank		1 pc	3426	€ 35
LiF	8,89 mm dia x 6,35 mm	blank		5 pcs	5231	€ 5
LiF UV	16 mm x 10 mm x 50 mm	blank	oriented <100>	2 pcs	5426	€ 75
LiF	16,4 mm dia x 5 mm	blank		13 pcs	2644/1	€ 20
LiF	19 mm dia x 3 mm	blank	oriented <111>	1 pc	3641	€ 57
LiF	20 mm dia x 1,5 mm	blank		2 pcs	8369/2	€ 15
LiF	24,13 mm dia x 11,43 mm	blank		1 pc	6445	€ 35
LiF	36 mm dia x 7,5 mm	blank		4 pcs	8885	€ 40
LiF (IR)	60 mm dia x 9 mm	blank	mono	1 pc	8917	€ 60
LiF	12,7 mm dia x 12,7 mm	window	<100>, AR/AR at 1550 nm	3 pcs	10281/5	€ 98

LiF	12,7 mm dia x 12,7 mm	window	<100>, AR/AR at 1550 nm	5 pcs	10569	€ 98
LiF	12,7 mm dia x 9 mm	window		7 pcs	9292	€ 55
LiF	25 mm dia x 10 mm	window		1 pc	10942/4	€ 85
LiF (IR)	25,4 mm dia x 1,0 mm	window	<100>	2 pcs	7355/3	€ 38
LiF VUV	25,4 mm dia x 12 mm	window	<100>	2 pcs	5920/1	€ 65
LiF	25,4 mm dia x 12,7 mm	window		1 pc	8540	€ 90
LiF	25,4 mm dia x 16 mm	window		2 pcs	10628	€ 98
LiF	28,575 mm dia x 19 mm	window		1 pc	5396/1	€ 50
LiF	28,575 mm dia x 19 mm	window		1 pc	5888/1	€ 50
LiF	30 x 20 x 10 mm	window	<100>	1 pc		€ 160
LiF	34 mm dia x 10 mm	window		1 pc	10650	€ 66
LiF	34,9 mm dia x 15,5 mm	wedged window	wedge 7°21'	1 pc	7075	€ 220
LiF	38,1 mm dia x 12,7 mm	window	AR (1 side) at 532 nm, r<0,35%	1 pc	11457	€ 170
LiF	38,1 mm dia x 12,7 mm	window	AR (1 side) at 11550 nm, r<0,25%	1 pc	6645/1	€ 89
LiF	50 x 20 x 3 mm	window		1 pc	4000	€ 120
LiF	50,0 mm dia x 25 mm	window	1 side with Al coating	1 pc	7460	€ 215
LiF	50,8 mm dia x 25,4 mm	window	<100>	1 pc	9959/3	€ 340
LiF VUV	50,8 mm dia x 19,1 mm	window		2 pcs	10388	€ 235
LiF	61 mm dia x 2,5 mm	window		1 pc	14697	€ 200
LiF	16 mm dia x 17,3 mm (tc)	lens pl-cvx	R=81,8 mm	1 pc	9520/2	€ 140
LiF	25,4 mm dia x 3,7 mm	lens pl-cvx	R=48,99 mm, FL=150 mm	1 pc	12233	€ 310
LiF VUV	50,8 mm dia x 2 mm (te)	lens pl-cvx	FL=500 mm at 18 nm	1 pc	4846	€ 160
MgF2	35 mm dia x 3,5 mm	blank	c-plane	2 pcs	8258/3	€ 135
MgF2	25 x 25 x 2 mm	window	N=2; ΔN=0,5; P=IV	1 pc	10127/2	€ 62
MgF2	20 x 20 x 1 mm	wedged window	6 deg ±0.2 deg	2 pcs	12012	€ 240
MgF2	20 x 20 x 1 mm	wedged window	6 deg ± 5', P=IV	2 pcs	13535	€ 285
MgF2	50 mm dia x 6 mm	mirror	p>99,6% λ=248 nm AOI 0°	3 pcs		€ 200
Quartz	1,5 mm dia x 6 mm	window	c-cut single crystal	6 pcs	3389	€ 25
Quartz	12,7 mm dia	wave plate λ/2, 0-order	AR/AR at λ=532 nm	2 pcs	4243/3	€ 130
Ruby	8 mm dia x 140 mm	rod		1 pc		agreed price
Sapphire	6,87 mm dia x 2,5 mm	window		106 pcs	2948	€ 20
Sapphire	7,7 mm dia x 2,0 mm	window		2 pcs	12167	€ 48
Sapphire	9 mm dia x 200 mm	growing rod		8 pcs		€ 105
Sapphire	10 mm dia x 2 mm	window		15 pcs	13913	€ 48
Sapphire	15 mm dia x 2 mm	window		8 pcs	14719	€ 20

Sapphire	24,8 (21) mm dia x 4 mm	window (skewed)	angle of skew 38 degrees	2 pcs	10436/2	€ 175
Sapphire	40 mm dia x 6,8 mm	window		1 pc	10713	€ 107
Sapphire	130 x 100 x 10 mm	window	N=5; ΔN=0,5; P=IV, wedge 1'	1 pc	7294	€ 1 998
Sapphire	160 x 95 x 12 mm	window	AR at λ=(3,4÷4,8) μm	3 pcs	5979/1	€ 3 700
Sapphire	1(±0.005) mm dia	ball lens	S/D: 60/40	8 pcs		€ 24
Sapphire	25,4 mm dia x 12,7 mm	hemisphere	P=60/40; NA=1; NB=5	1 pc	9910/3	€ 200
Sapphire	6 mm dia x 150 mm	rod		1 pc	8327	€ 275
Sapphire	40 mm (30 mm) dia x 1 mm	ring blank		5 pcs	4864	€ 35
Sapphire	41 mm (30 mm) dia x 1 mm	ring blank		2 pcs	4864	€ 35
Si	5,0 mm dia	ball	S/D= 60/40	18 pcs	10299	€ 27
Si	13 mm dia x 1 mm	window		4 pcs	7705	€ 12
Si	13 mm dia x 1 mm	window		1 pc	9386	€ 10
Si	16 mm dia x 1 mm	window		4 pcs	11921/2	€ 73
Si	20 mm x 15 mm x 5 mm	window	AR/AR at 2040 nm	2 pcs	6202	€ 250
Si	20 mm dia x 1 mm	window		1 pc	9947	€ 80
Si	22 mm dia x 4 mm	window	AR/AR at 1572 nm	5 pcs	4434	€ 150
Si	28 mm dia x 4 mm	window	AR/AR at λ=1572 nm	5 pcs	3983	€ 142
Si	28 mm dia x 4 mm	window	AR/AR at λ=1572 nm	6 pcs	4511	€ 140
Si	27,8 mm dia x 4 mm	window	wedge 31"	1 pc	4511	€ 85
Si	50 mm dia x 0,5 mm	window		2 pcs	4120	€ 36
Si	14 mm dia x 4,5 mm, R1=48,239, R2=28,135 mm	biconvex lens	AR/AR at λ=(3÷5) μm	3 pcs	6503/6	€ 250
Si	19 mm dia x 6,7 mm, R1=-25,746, R2=13,583 mm	meniscus lens	AR/AR at λ=(3÷5) μm	2 pcs	6503/8	€ 275
Si	22 mm dia x 5 mm, R1=22,265; R2=-13,399 mm (aspheric)	meniscus lens	AR/AR at λ=(3÷5) μm	2 pcs	6503/3	€ 645
Si	84 mm dia x 9 mm, R1=102,04; R2=-330,41 mm	meniscus lens	AR/AR at λ=(3÷5) μm	2 pcs	6503/1	€ 780
Si	28 mm dia x 5,4 mm, ROC=-30000 mm	mirror	p=99%, for laser assembly "Hebr"	3 pcs	8229	€ 220
Si	40 mm dia x 12 mm	mirror (concave)	Au-coated with protection	1 pc	4892/3	€ 224
Si	25,0 mm dia x 20 mm	hemicylinder	R=10	1 pc	8710	€ 150
Si	32 mm x 32 mm x 32 mm	equilateral prism		1 pc	4656	€ 450
Si	32 mm x 32 mm x 32 mm	ATR prism		1 pc	6241	€ 420
ZnSe	16,6 mm dia x 4,96 mm	blank		47 pcs	6976	€ 8
ZnSe	2,77 mm dia x 2,48 mm	cone		1 pc	10298	€ 183

ZnSe	2,98 mm dia x 1,6 mm	cone		1 pc	10298	€ 183
ZnSe	25,2 mm dia x 6,85 mm	window		6 pcs		€ 50
ZnSe	25,4 mm dia x 6 mm (max)	wedged window	wedge 6° ±2°	39 pcs	8684/2	€ 60
ZnSe	35 x 16 x 1 mm	window		1 pc	13748	€ 105
ZnSe	50,8 mm dia x 8 mm	wedged window	AR/AR at λ=10,6 μm	1 pc	9482	€ 950
ZnSe	70 mm (25) dia x 4 mm	window with hole		1 pc	1436	€ 491
ZnSe	74 x 2 x 2 mm	window		1 pc	12613	€ 134
ZnSe	5,75 mm dia x 1,3 mm, R=7 mm	lens pl-cvx	AR/AR at λ=(4÷5,5 & 8÷10) μm	270 pcs	7350	€ 7
ZnSe	5,75 mm dia x 1,3 mm, R=7 mm	lens pl-cvx	AR/AR at λ=(4÷5,5 & 8÷10) μm	654 pcs	9760	€ 7
ZnSe	6,3 mm dia x 3,2 mm, R1=3,17 mm, R2=12 mm	lens bi-cvx		1 pc		€ 15
ZnSe	6,3 mm dia x 3,05÷3,18 mm, R1=3,18 mm	lens pl-cvx	R of bevel =12 mm	10 pcs	10748	€ 90
ZnSe	20 mm dia, R1=13,2mm, R2=40 mm	meniscus lens		1 pc	6688	€ 85
ZnSe	25 mm, R=253 mm	lens bi-ccv	AR/AR at λ=(3÷15) μm	2 pcs	7080	€ 250
ZnSe	14 mm dia x 4 mm	mirror	λ=(9÷11) μm	1 pc	2589/3	€ 125
ZnSe	16 mm dia x 4 mm; R=-20 000	mirror	ρA=17%, ρB≤0,2%,	1 pc		€ 150
ZnSe	50 mm x 25 mm x 4 mm	prism ATR		3 pcs	4332	€ 95
ZnSe	57,87 mm x 25,3 mm x 3,28 mm	prism ATR	60°±20'	3 pcs	5918	€ 150
ZnSe	72 mm x 10 mm x 6 mm	prism ATR		1 pc	5113	€ 152
ZnSe	69,77 mm x 19,95 mm x 5 mm	prism		2 pcs	4789	€ 215
ZnSe	72 mm x 10 mm x 6 mm	prism		1 pc	4049	€ 125