



IR 抛光氟化钙 CaF_2 平凸正透镜 (直径 20mm 焦距 50mm)



描述

氟化钙在紫外到中红外 (250nm~7um) 之间都有很高的透射率, 所以广泛被用于制造棱镜, 透镜, 窗片, 氟化钙透镜具有低折射率, 高激光损伤阈值, 低同轴与径向应力双折射特性, 适合于准分子激光器使用, 或者集成于红外系统上。且氟化钙也备有低可溶性, 也可抵抗恶劣环境。氟化钙的抛光面可以工作数年之久, 氟化钙的硬度是氟化钡的两倍, 而且抗热冲击能力更强。

产品特点

透射波长范围广, 低折射率, 高透射率, 高损伤阈值, 低可溶性

产品型号

CAF20LENS50





应用领域

中红外QCL激光器

中红外激光光路搭建

核心参数

规格尺寸	焦距F.L.	曲率	透镜等级
20mm	50mm @ 5μm	19.95 (±2%)	IR平凸

详细参数

名称	参数
透射范围	0.13~10μm
折射率	1.39908 at 5μm
反射损耗	5.4% at 5μm
吸收系数	$7.8 \times 10^{-4} \text{cm}^{-1}$ @ 2.7μm
吸收峰	35μm
dn/dT	$-10.6 \times 10^{-6} / ^\circ\text{C}$
dn/du=0	dn/du=0
密度	3.18g/cc



熔点	1360℃
导热率	9.71Wm ⁻¹ K ⁻¹
热膨胀	18.85×10 ⁻⁶ /℃
硬度	Knoop 158.3
比热容	854J Kg ⁻¹ K ⁻¹
介电常数	6.76 at 1MHz
杨氏模量	75.8GPa
剪切模量	33.77GPa
体积模量	82.71GPa
弹性系数	C ₁₁ =164 ,C ₁₂ =53 ,C ₄₄ =33.7
表现弹性极限	36.54MPa
泊松比	0.26
溶解度	0.0017g/100g with, 20 °C
分子量	78.08

类型/结构	立方裂解
反射损耗	5.4% at 5um

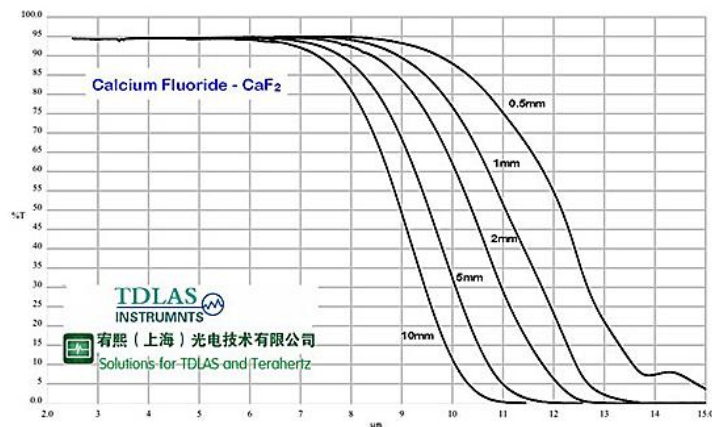
折射率:(No=Ordinary Ray 普通射线)

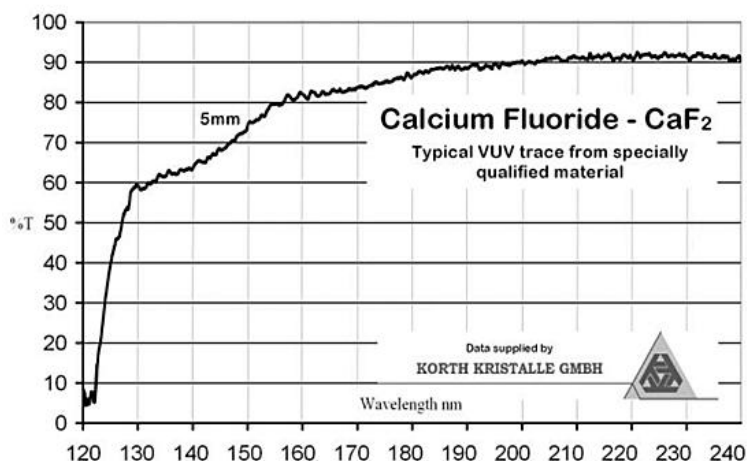
um	No	um	No	um	No
0.54	2.6754	0.58	2.6312	0.62	2.5994
0.66	2.5755	0.7	2.5568	0.74	2.5418
0.78	2.5295	0.82	2.5193	0.86	2.5107
0.90	2.5034	0.94	2.4971	0.98	2.4916
1.0	2.4892	1.4	2.4609	1.8	2.4496
2.2	2.4437	2.6	2.4401	3.0	2.4376
3.4	2.4356	3.8	2.4339	4.2	2.4324
4.6	2.4309	5.0	2.4295	5.4	2.4281
5.8	2.4266	6.2	2.4251	6.6	2.4235
7.0	2.4218	7.4	2.4201	7.8	2.4183

8.2	2.4163	8.6	2.4143	9.0	2.4122
9.4	2.4100	9.8	2.4077	10.2	2.4053
10.6	2.4028	11.0	2.4001	11.4	2.3974
11.8	2.3945	12.2	2.3915	12.6	2.3883
13.0	2.3850	13.4	2.3816	13.8	2.3781
14.2	2.3744	14.6	2.3705	15.0	2.3665
15.4	2.3623	15.8	2.3579	16.2	2.3534
16.6	2.3487	17.0	2.3438	17.4	2.3387
17.8	2.3333	18.2	2.3278		

特性曲线

光谱透射图





订购信息

订购型号	规格	曲率	焦距	CaF2 等级	参数
CAF12.7L ENS10U	12.7mm Ø	10.16 (±2%)	10mm @ 300nm	UV 双凸	CALCIUM FLUORIDE PLANO-CONVEX LENS 25mm Ø X 300mm F.L. @ 5µm MATERIAL: IR Grade CaF₂ Diameter:25.0mm (±0.1mm) Centre Thickness:2.6mm (±0.1mm) Radius of Curvature 1:120 (±2%) Radius of Curvature 2:Plano S/D:60/40 Edge thickness:2.0mm (derived) Effective F.L. 277mm 280mm 287mm 300mm Back F.L. 276mm 278mm 286mm 299mm Wavelength 0.633µm 1.064µm 3.0µm 5.0µm Parallel F.L. Tolerances ±2% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface.

CAF12.7L ENS12	12.7mm Ø	12.0 (±2%)	12.7mm @ 5µm	IR 双 凸	CALCIUM FLUORIDE BI-CONVEX LENS 12.7mm Ø X 12.7mm F.L. @ 0.633µm MATERIAL: IR Grade CaF₂ Diameter: 12.7mm (+0.0/-0.127mm) Centre Thickness: 6.0mm (±0.127mm) Radius of Curvature 1: 12.0 (±2%) Radius of Curvature 2: 12.0 (±2%) S/D: 60/40 Edge thickness: 1.5mm (derived) <table><tr><td>Effective F.L.</td><td>Back F.L.</td><td>Wavelength</td></tr><tr><td>15.0mm</td><td>12.7mm</td><td>0.633µm</td></tr><tr><td>15.5mm</td><td>13.2mm</td><td>3.0µm</td></tr><tr><td>16.2mm</td><td>13.9mm</td><td>5.0µm</td></tr></table> Paraxial FL Tolerances ±2% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface.	Effective F.L.	Back F.L.	Wavelength	15.0mm	12.7mm	0.633µm	15.5mm	13.2mm	3.0µm	16.2mm	13.9mm	5.0µm			
Effective F.L.	Back F.L.	Wavelength																		
15.0mm	12.7mm	0.633µm																		
15.5mm	13.2mm	3.0µm																		
16.2mm	13.9mm	5.0µm																		
CAF12.7L ENS12U	12.7mm Ø	12.0 (±2%)	12mm @ 300nm	UV 双 凸																
CAF12.7L ENS100	12.7mm Ø	40.32 (±2%)	100mm @ 5µm	IR 平 凸	CALCIUM FLUORIDE BI-CONVEX LENS 25mm Ø X 100mm F.L. @ 5µm MATERIAL: IR Grade CaF₂ Diameter: 25.0mm (±0.1mm) Centre Thickness: 4.0mm (±0.1mm) Radius of Curvature 1: 78.94 (±2%) Radius of Curvature 2: 78.94 (±2%) S/D: 60/40 Edge thickness: 2.0mm (derived) <table><tr><td>Effective F.L.</td><td>Back F.L.</td><td>Wavelength</td></tr><tr><td>92mm</td><td>90mm</td><td>0.633µm</td></tr><tr><td>93mm</td><td>91mm</td><td>1.064µm</td></tr><tr><td>95mm</td><td>94mm</td><td>3.0µm</td></tr><tr><td>100mm</td><td>98mm</td><td>5.0µm</td></tr></table> Paraxial FL Tolerances ±2% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface.	Effective F.L.	Back F.L.	Wavelength	92mm	90mm	0.633µm	93mm	91mm	1.064µm	95mm	94mm	3.0µm	100mm	98mm	5.0µm
Effective F.L.	Back F.L.	Wavelength																		
92mm	90mm	0.633µm																		
93mm	91mm	1.064µm																		
95mm	94mm	3.0µm																		
100mm	98mm	5.0µm																		
CAF16LE NS90	16.0mm Ø	73.90 (±2%)	90mm @ 3µm	IR 双 凸	CALCIUM FLUORIDE BI-CONVEX LENS 16mm Ø X 90mm F.L. @ 3µm MATERIAL: IR Grade CaF₂ Diameter: 16.0mm (±0.1mm) Centre Thickness: 3.0mm (±0.1mm) Radius of Curvature 1: 73.90 (±2%) Radius of Curvature 2: 73.90 (±2%) S/D: 60/40 Edge thickness: 2.0mm (derived) <table><tr><td>Effective F.L.</td><td>Back F.L.</td><td>Wavelength</td></tr><tr><td>86mm</td><td>85mm</td><td>0.633µm</td></tr><tr><td>86mm</td><td>85mm</td><td>1.064µm</td></tr><tr><td>89mm</td><td>88mm</td><td>3.0µm</td></tr><tr><td>93mm</td><td>92mm</td><td>5.0µm</td></tr></table> Paraxial FL Tolerances ±2% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface.	Effective F.L.	Back F.L.	Wavelength	86mm	85mm	0.633µm	86mm	85mm	1.064µm	89mm	88mm	3.0µm	93mm	92mm	5.0µm
Effective F.L.	Back F.L.	Wavelength																		
86mm	85mm	0.633µm																		
86mm	85mm	1.064µm																		
89mm	88mm	3.0µm																		
93mm	92mm	5.0µm																		

CAF18.5L ENS26	18.5mm Ø	12.6 (±2%)	26mm @ 3µm	IR 平 凸	CALCIUM FLUORIDE PLANO-CONVEX LENS 18.5mm Ø X 26mm F.L. @ 3µm MATERIAL: IR Grade CaF₂ Diameter: 18.7mm (±0.25mm) Centre Thickness: 5.0mm (±0.2mm) Centration 3 Arc Minutes Radius of Curvature 1: 12.6 (±2%) Radius of Curvature 2: Plano S/D: 60/40 Edge thickness: 1.0mm (derived) <table><tr><td>Effective F.L.</td><td>Back F.L.</td><td>Wavelength</td></tr><tr><td>29.1mm</td><td>25.6mm</td><td>0.633µm</td></tr><tr><td>30.2mm</td><td>26.6mm</td><td>3.0µm</td></tr><tr><td>31.6mm</td><td>28.0mm</td><td>5.0µm</td></tr></table> Paraxial F.L. Tolerances ±0% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface.	Effective F.L.	Back F.L.	Wavelength	29.1mm	25.6mm	0.633µm	30.2mm	26.6mm	3.0µm	31.6mm	28.0mm	5.0µm								
Effective F.L.	Back F.L.	Wavelength																							
29.1mm	25.6mm	0.633µm																							
30.2mm	26.6mm	3.0µm																							
31.6mm	28.0mm	5.0µm																							
CAF20LE NS50	20mm Ø	19.95 (±2%)	50mm @ 5µm	IR 平 凸	CALCIUM FLUORIDE PLANO-CONVEX LENS 20mm Ø x 50mm F.L. @ 5µm MATERIAL: IR Grade CaF₂ Diameter: 20.0mm (±0.1mm) Centre Thickness: 4.0mm (±0.1mm) Radius of Curvature 1: 19.95 (±2%) Radius of Curvature 2: Plano S/D: 60/40 Edge thickness: 1.3mm (derived) <table><tr><td>Effective F.L.</td><td>Back F.L.</td><td>Wavelength</td></tr><tr><td>46mm</td><td>43mm</td><td>0.633µm</td></tr><tr><td>47mm</td><td>44mm</td><td>1.064µm</td></tr><tr><td>48mm</td><td>45mm</td><td>3.0µm</td></tr><tr><td>50mm</td><td>47mm</td><td>5.0µm</td></tr></table> Paraxial F.L. Tolerances ±0% to nearest mm EFL from thin lens formula. BFL is referenced from the back lens surface.	Effective F.L.	Back F.L.	Wavelength	46mm	43mm	0.633µm	47mm	44mm	1.064µm	48mm	45mm	3.0µm	50mm	47mm	5.0µm					
Effective F.L.	Back F.L.	Wavelength																							
46mm	43mm	0.633µm																							
47mm	44mm	1.064µm																							
48mm	45mm	3.0µm																							
50mm	47mm	5.0µm																							
CAF25LE NS25U	25mm Ø	21.53 (±2%)	25mm @ 350nm	UV 双凸	CALCIUM FLUORIDE BI-CONVEX LENS 25mm Ø X 25mm F.L. @ 0.35µm MATERIAL: UV Grade CaF₂ Diameter: 25.0mm (+0.0/-0.1mm) Centre Thickness: 10mm (±0.1mm) Radius of Curvature 1: 21.53 (±2%) Radius of Curvature 2: 21.53 (±2%) S/D: 60/40 Edge thickness: 2.0mm (derived) <table><tr><td>Effective F.L.</td><td>Pr.Plane F.L.</td><td>Back F.L.</td><td>Wavelength</td></tr><tr><td>26.0mm</td><td>25.0mm</td><td>22.2mm</td><td>0.35µm</td></tr><tr><td>26.8mm</td><td></td><td>23.0mm</td><td>0.633µm</td></tr></table> Paraxial F.L. Tolerances ±0% EFL from thin lens formula. BFL is referenced from the lens surface.	Effective F.L.	Pr.Plane F.L.	Back F.L.	Wavelength	26.0mm	25.0mm	22.2mm	0.35µm	26.8mm		23.0mm	0.633µm								
Effective F.L.	Pr.Plane F.L.	Back F.L.	Wavelength																						
26.0mm	25.0mm	22.2mm	0.35µm																						
26.8mm		23.0mm	0.633µm																						
CAF25LE NS25	25mm Ø	20.80 (±2%)	25.4mm @ 3µm	IR 双 凸	CALCIUM FLUORIDE BI-CONVEX LENS 25mm Ø X 25.4mm F.L. @ 3µm MATERIAL: IR Grade CaF₂ Diameter: 25.0mm (+0.0/-0.1mm) Centre Thickness: 10mm (±0.1mm) Radius of Curvature 1: 20.80 (±2%) Radius of Curvature 2: 20.80 (±2%) S/D: 60/40 Edge thickness: 1.6mm (derived) <table><tr><td>Effective F.L.</td><td>Pr.Plane F.L.</td><td>Back F.L.</td><td>Wavelength</td></tr><tr><td>25.9mm</td><td></td><td>22.2mm</td><td>0.633µm</td></tr><tr><td>26.2mm</td><td></td><td>22.4mm</td><td>1.064µm</td></tr><tr><td>26.8mm</td><td>25.4mm</td><td>23.0mm</td><td>3.0µm</td></tr><tr><td>28.0mm</td><td></td><td>24.1mm</td><td>5.0µm</td></tr></table> Paraxial F.L. Tolerances ±0% EFL from thin lens formula. BFL is referenced from the lens surface.	Effective F.L.	Pr.Plane F.L.	Back F.L.	Wavelength	25.9mm		22.2mm	0.633µm	26.2mm		22.4mm	1.064µm	26.8mm	25.4mm	23.0mm	3.0µm	28.0mm		24.1mm	5.0µm
Effective F.L.	Pr.Plane F.L.	Back F.L.	Wavelength																						
25.9mm		22.2mm	0.633µm																						
26.2mm		22.4mm	1.064µm																						
26.8mm	25.4mm	23.0mm	3.0µm																						
28.0mm		24.1mm	5.0µm																						

CAF25LE NS50B	25mm Ø	39.1 (±2%)	50mm @ 5µm	IR 双 凸	
CAF25LE NS50	25mm Ø	20.9 (±2%)	50mm @ 5µm	IR 平 凸	CALCIUM FLUORIDE PLANO-CONVEX LENS 25mm Ø x 50mm F.L. @ 3µm MATERIAL: IR Grade CaF₂ Diameter: 25.0mm (±0.1mm) Centre Thickness: 6.1mm (±0.1mm) Radius of Curvature 1: 20.9 (±2%) Radius of Curvature 2: Plano S/D: 60/40 Edge thickness: 2.0mm (derived) Effective F.L. 48mm 49mm 50mm 52mm Back F.L. 44mm 45mm 45mm 48mm Wavelength 0.633µm 1.064µm 3.0µm 5.0µm Paraxial F.L. Tolerances ±0% to nearest mm EFL from thin lens formula. BFL is referenced from the back lens surface.
CAF25LE NS50U	25mm Ø	22.96 (±2%)	50mm @ 350nm	UV 平凸	CALCIUM FLUORIDE PLANO-CONVEX LENS 25mm Ø x 50mm F.L. @ 0.35µm MATERIAL: UV Grade CaF₂ Diameter: 25.0mm (±0.1mm) Centre Thickness: 5.7mm (±0.1mm) Radius of Curvature 1: 22.96mm (±2%) Radius of Curvature 2: Plano S/D: 60/40 Edge thickness: 2.0mm (derived) Effective F.L. 51mm 53mm 54mm 55mm 57mm Back F.L. 47mm 49mm 49mm 51mm 53mm Wavelength 0.35 µm 0.633µm 1.064µm 3.0µm 5.0µm Paraxial F.L. Tolerances ±0% to nearest mm EFL from thin lens formula. BFL is referenced from the back lens surface.
CAF25LE NS75	25mm Ø	31.35 (±2%)	75mm @ 5µm	IR 平 凸	CALCIUM FLUORIDE PLANO-CONVEX LENS 25mm Ø x 75mm F.L. @ 5µm MATERIAL: IR Grade CaF₂ Diameter: 25.0mm (±0.1mm) Centre Thickness: 4.6mm (±0.1mm) Radius of Curvature 1: 31.35 (±2%) Radius of Curvature 2: Plano S/D: 60/40 Edge thickness: 2.0mm (derived) Effective F.L. 72mm 73mm 75mm 78mm Back F.L. 69mm 70mm 72mm 75mm Wavelength 0.633µm 1.064µm 3.0µm 5.0µm Paraxial F.L. Tolerances ±0% to nearest mm EFL from thin lens formula. BFL is referenced from the back lens surface.

CAF25LE NS100B	25mm Ø	78.94 (±2%)	100mm @ 3µm	IR 双凸	CALCIUM FLUORIDE BI-CONVEX LENS 25mm Ø X 100mm F.L. @ 5µm MATERIAL: IR Grade CaF₂ Diameter: 25.0mm (±0.1mm) Centre Thickness: 4.0mm (±0.1mm) Radius of Curvature 1: 78.94 (±2%) Radius of Curvature 2: 78.94 (±2%) S/D: 60/40 Edge thickness: 2.0mm (derived) <table><tr><td>Effective F.L.</td><td>Back F.L.</td><td>Wavelength</td></tr><tr><td>92mm</td><td>90mm</td><td>0.633µm</td></tr><tr><td>93mm</td><td>91mm</td><td>1.064µm</td></tr><tr><td>95mm</td><td>94mm</td><td>3.0µm</td></tr><tr><td>100mm</td><td>98mm</td><td>5.0µm</td></tr></table> Paraxial F.L. Tolerances ±2% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface.	Effective F.L.	Back F.L.	Wavelength	92mm	90mm	0.633µm	93mm	91mm	1.064µm	95mm	94mm	3.0µm	100mm	98mm	5.0µm
Effective F.L.	Back F.L.	Wavelength																		
92mm	90mm	0.633µm																		
93mm	91mm	1.064µm																		
95mm	94mm	3.0µm																		
100mm	98mm	5.0µm																		
CAF25LE NS100	25mm Ø	43.73 (±2%)	100mm @ 3µm	IR 平凸	CALCIUM FLUORIDE PLANO-CONVEX LENS 50mm Ø X 100mm F.L. @ 1µm MATERIAL: IR Grade CaF₂ Diameter: 50.0mm (±0.1mm) Centre Thickness: 10.0mm (±0.1mm) Radius of Curvature 1: 43.0 (±2%) Radius of Curvature 2: Plano S/D: 60/40 Edge thickness: 2.0mm (derived) <table><tr><td>Effective F.L.</td><td>Back F.L.</td><td>Wavelength</td></tr><tr><td>99mm</td><td>92mm</td><td>0.633µm</td></tr><tr><td>100mm</td><td>93mm</td><td>1.064µm</td></tr><tr><td>103mm</td><td>96mm</td><td>3.0µm</td></tr><tr><td>108mm</td><td>101mm</td><td>5.0µm</td></tr></table> Paraxial F.L. Tolerances ±2% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface.	Effective F.L.	Back F.L.	Wavelength	99mm	92mm	0.633µm	100mm	93mm	1.064µm	103mm	96mm	3.0µm	108mm	101mm	5.0µm
Effective F.L.	Back F.L.	Wavelength																		
99mm	92mm	0.633µm																		
100mm	93mm	1.064µm																		
103mm	96mm	3.0µm																		
108mm	101mm	5.0µm																		
CAF25LE NS100U	25mm Ø	43.73 (±2%)	100mm @ 350nm	UV 平凸																
CAF25LE NS130	25mm Ø	55.35 (±2%)	130mm @ 3µm	IR 平凸	CALCIUM FLUORIDE PLANO-CONVEX LENS 25mm Ø X 130mm F.L. @ 3µm MATERIAL: IR Grade CaF₂ Diameter: 25.0mm (±0.1mm) Centre Thickness: 3.0mm (±0.1mm) Radius of Curvature 1: 55.35 (±2%) Radius of Curvature 2: Plano S/D: 60/40 Edge thickness: 1.5mm (derived) <table><tr><td>Effective F.L.</td><td>Back F.L.</td><td>Wavelength</td></tr><tr><td>128mm</td><td>126mm</td><td>0.633µm</td></tr><tr><td>129mm</td><td>126mm</td><td>1.064µm</td></tr><tr><td>133mm</td><td>130mm</td><td>3.0µm</td></tr><tr><td>139mm</td><td>136mm</td><td>5.0µm</td></tr></table> Paraxial F.L. Tolerances ±2% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface.	Effective F.L.	Back F.L.	Wavelength	128mm	126mm	0.633µm	129mm	126mm	1.064µm	133mm	130mm	3.0µm	139mm	136mm	5.0µm
Effective F.L.	Back F.L.	Wavelength																		
128mm	126mm	0.633µm																		
129mm	126mm	1.064µm																		
133mm	130mm	3.0µm																		
139mm	136mm	5.0µm																		

CAF25LE NS150	25mm Ø	61.0 (±2%)	150mm @ 5µm	IR 平 凸	CALCIUM FLUORIDE PLANO-CONVEX LENS 25mm Ø X 150mm F.L. @ 5µm MATERIAL: IR Grade CaF₂ Diameter: 25.0mm (±0.1mm) Centre Thickness: 3.3mm (±0.1mm) Radius of Curvature 1: 61.0 (±2%) Radius of Curvature 2: Plano S/D: 60/40 Edge thickness: 2.0mm (derived) <table><tr><td>Effective F.L.</td><td>Back F.L.</td><td>Wavelength</td></tr><tr><td>141mm</td><td>139mm</td><td>0.633µm</td></tr><tr><td>142mm</td><td>140mm</td><td>1.064µm</td></tr><tr><td>146mm</td><td>144mm</td><td>3.0µm</td></tr><tr><td>152mm</td><td>150mm</td><td>5.0µm</td></tr></table> Paraxial FL Tolerances ±2% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface.	Effective F.L.	Back F.L.	Wavelength	141mm	139mm	0.633µm	142mm	140mm	1.064µm	146mm	144mm	3.0µm	152mm	150mm	5.0µm			
Effective F.L.	Back F.L.	Wavelength																					
141mm	139mm	0.633µm																					
142mm	140mm	1.064µm																					
146mm	144mm	3.0µm																					
152mm	150mm	5.0µm																					
CAF25LE NS150U	25mm Ø	69.75 (±2%)	150mm @ 350nm	UV 平凸	CALCIUM FLUORIDE PLANO-CONVEX LENS 25mm Ø X 150mm F.L. @ 350nm MATERIAL: UV Grade CaF₂ Diameter: 25.0mm (±0.1mm) Centre Thickness: 3.1mm (±0.1mm) Radius of Curvature 1: 69.75 (±2%) Radius of Curvature 2: Plano S/D: 60/40 Edge thickness: 2.0mm (derived) <table><tr><td>Effective F.L.</td><td>Back F.L.</td><td>Wavelength</td></tr><tr><td>156mm</td><td>154mm</td><td>0.350µm</td></tr><tr><td>161mm</td><td>159mm</td><td>0.633µm</td></tr><tr><td>163mm</td><td>161mm</td><td>1.064µm</td></tr><tr><td>167mm</td><td>165mm</td><td>3.0µm</td></tr><tr><td>175mm</td><td>173mm</td><td>5.0µm</td></tr></table> Paraxial FL Tolerances ±2% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface.	Effective F.L.	Back F.L.	Wavelength	156mm	154mm	0.350µm	161mm	159mm	0.633µm	163mm	161mm	1.064µm	167mm	165mm	3.0µm	175mm	173mm	5.0µm
Effective F.L.	Back F.L.	Wavelength																					
156mm	154mm	0.350µm																					
161mm	159mm	0.633µm																					
163mm	161mm	1.064µm																					
167mm	165mm	3.0µm																					
175mm	173mm	5.0µm																					
CAF25LE NS200U	25mm Ø	90.39 (±2%)	200mm @ 350nm	UV 平凸	CALCIUM FLUORIDE PLANO-CONVEX LENS 25mm Ø X 200mm F.L. @ 350nm MATERIAL: UV Grade CaF₂ Diameter: 25.0mm (±0.1mm) Centre Thickness: 2.9mm (±0.1mm) Radius of Curvature 1: 90.39 (±2%) Radius of Curvature 2: Plano S/D: 60/40 Edge thickness: 2.0mm (derived) <table><tr><td>Effective F.L.</td><td>Back F.L.</td><td>Wavelength</td></tr><tr><td>202mm</td><td>200mm</td><td>0.350µm</td></tr><tr><td>209mm</td><td>207mm</td><td>0.633µm</td></tr><tr><td>210mm</td><td>208mm</td><td>1.064µm</td></tr><tr><td>217mm</td><td>214mm</td><td>3.0µm</td></tr><tr><td>226mm</td><td>224mm</td><td>5.0µm</td></tr></table> Paraxial FL Tolerances ±2% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface.	Effective F.L.	Back F.L.	Wavelength	202mm	200mm	0.350µm	209mm	207mm	0.633µm	210mm	208mm	1.064µm	217mm	214mm	3.0µm	226mm	224mm	5.0µm
Effective F.L.	Back F.L.	Wavelength																					
202mm	200mm	0.350µm																					
209mm	207mm	0.633µm																					
210mm	208mm	1.064µm																					
217mm	214mm	3.0µm																					
226mm	224mm	5.0µm																					
CAF25LE NS300	25mm Ø	120.0 (±2%)	300mm @ 5µm	IR 平 凸	CALCIUM FLUORIDE PLANO-CONVEX LENS 25mm Ø X 300mm F.L. @ 5µm MATERIAL: IR Grade CaF₂ Diameter: 25.0mm (±0.1mm) Centre Thickness: 2.6mm (±0.1mm) Radius of Curvature 1: 120 (±2%) Radius of Curvature 2: Plano S/D: 60/40 Edge thickness: 2.0mm (derived) <table><tr><td>Effective F.L.</td><td>Back F.L.</td><td>Wavelength</td></tr><tr><td>277mm</td><td>276mm</td><td>0.633µm</td></tr><tr><td>280mm</td><td>278mm</td><td>1.064µm</td></tr><tr><td>287mm</td><td>286mm</td><td>3.0µm</td></tr><tr><td>300mm</td><td>299mm</td><td>5.0µm</td></tr></table> Paraxial FL Tolerances ±2% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface.	Effective F.L.	Back F.L.	Wavelength	277mm	276mm	0.633µm	280mm	278mm	1.064µm	287mm	286mm	3.0µm	300mm	299mm	5.0µm			
Effective F.L.	Back F.L.	Wavelength																					
277mm	276mm	0.633µm																					
280mm	278mm	1.064µm																					
287mm	286mm	3.0µm																					
300mm	299mm	5.0µm																					

CAF25LE NS500	25mm Ø	202.02 (±2%)	500mm @ 5µm	IR 平 凸	CALCIUM FLUORIDE PLANO-CONVEX LENS 25mm Ø X 500mm F.L. @ 5µm MATERIAL: IR Grade CaF₂ Diameter:25.0mm (±0.1mm) Centre Thickness:2.4mm (±0.1mm) Radius of Curvature 1:202 (±2%) Radius of Curvature 2:Plano S/D:60/40 Edge thickness:2.0mm (derived) Effective F.L.467mm Back F.L.465mm Wavelength0.633µm 471mm 469mm 1.064µm 483mm 482mm 3.0µm 506mm 504mm 5.0µm Paraxial F.L. Tolerances ±2% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface.
CAF25.4L ENS200	25.4mm Ø	80.7 (±2%)	200mm @ 5µm	IR 平 凸	CALCIUM FLUORIDE PLANO-CONVEX LENS 25.4mm Ø X 200mm F.L. @ 5µm MATERIAL: IR Grade CaF₂ Diameter:25.4mm (+0.0 / -0.127mm) Centre Thickness:2.64mm (±0.127mm) Radius of Curvature 1:80.7 (±2%) Radius of Curvature 2:Plano S/D:60/40 Edge thickness:1.65mm (derived) Effective F.L.187mm Back F.L.185mm Wavelength0.633µm 188mm 186mm 1.064µm 193mm 191mm 3.0µm 202mm 200mm 5.0µm Paraxial F.L. Tolerances ±2% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface.
CAF27LE NS50	27mm Ø	43.10 (±2%)	50mm @ 3µm	IR 双 凸	CALCIUM FLUORIDE BI-CONVEX LENS 27mm Ø X 50mm F.L. @ 3µm MATERIAL: IR Grade CaF₂ Diameter:27.0mm (±0.1mm) Centre Thickness:6.4mm (±0.1mm) Radius of Curvature 1:43.10 (±2%) Radius of Curvature 2:43.10 (±2%) S/D:60/40 Edge thickness:2.1mm (derived) Effective F.L.51mm Back F.L.48.7mm Wavelength0.633µm 51mm 49.2mm 1.064µm 53mm 50.5mm 3.0µm 55mm 52.8mm 5.0µm Paraxial F.L. Tolerances ±2% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface.

CAF30LE NS70	30mm Ø	57.00 (±2%)	70mm @ 4µm	IR 双 凸	CALCIUM FLUORIDE BI-CONVEX LENS 30mm Ø X 70mm F.L. @ 5µm MATERIAL: IR Grade CaF₂ Diameter: 30.0mm (±0.1mm) Centre Thickness: 6.0mm (±0.1mm) Radius of Curvature 1: 57.0 (±2%) Radius of Curvature 2: 57.0 (±2%) S/D: 60/40 Edge thickness: 2.0mm (derived) <table><tr><td>Effective F.L.</td><td>Back F.L.</td><td>Wavelength</td></tr><tr><td>67mm</td><td>65mm</td><td>0.633µm</td></tr><tr><td>67mm</td><td>65mm</td><td>1.064µm</td></tr><tr><td>69mm</td><td>67mm</td><td>3.0µm</td></tr><tr><td>72mm</td><td>70mm</td><td>5.0µm</td></tr></table> Paraxial F.L. Tolerances ±2% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface.	Effective F.L.	Back F.L.	Wavelength	67mm	65mm	0.633µm	67mm	65mm	1.064µm	69mm	67mm	3.0µm	72mm	70mm	5.0µm
Effective F.L.	Back F.L.	Wavelength																		
67mm	65mm	0.633µm																		
67mm	65mm	1.064µm																		
69mm	67mm	3.0µm																		
72mm	70mm	5.0µm																		
CAF31.5L ENS60	31.5mm Ø	27.50 (±2%)	60mm @ 3µm	IR 平 凸	CALCIUM FLUORIDE PLANO-CONVEX LENS 31.5mm Ø X 60mm F.L. @ 3µm MATERIAL: IR Grade CaF₂ Diameter: 31.5mm (±0.1mm) Centre Thickness: 6.8mm (±0.1mm) Radius of Curvature 1: 27.5 (±2%) Radius of Curvature 2: Plano S/D: 60/40 Edge thickness: 1.8mm (derived) <table><tr><td>Effective F.L.</td><td>Back F.L.</td><td>Wavelength</td></tr><tr><td>64mm</td><td>59mm</td><td>0.633µm</td></tr><tr><td>64mm</td><td>59mm</td><td>1.064µm</td></tr><tr><td>65mm</td><td>61mm</td><td>3.0µm</td></tr><tr><td>69mm</td><td>64mm</td><td>5.0µm</td></tr></table> Paraxial F.L. Tolerances ±2% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface.	Effective F.L.	Back F.L.	Wavelength	64mm	59mm	0.633µm	64mm	59mm	1.064µm	65mm	61mm	3.0µm	69mm	64mm	5.0µm
Effective F.L.	Back F.L.	Wavelength																		
64mm	59mm	0.633µm																		
64mm	59mm	1.064µm																		
65mm	61mm	3.0µm																		
69mm	64mm	5.0µm																		
CAF38.1L ENS75	38.1mm Ø	33.84 (±2%)	75mm @ 4.5µm	IR 平 凸	CALCIUM FLUORIDE PLANO-CONVEX LENS 38.1mm Ø X 75mm F.L. @ 3µm MATERIAL: IR Grade CaF₂ Diameter: 38.1mm (±0.1mm) Centre Thickness: 9.0mm (±0.1mm) Radius of Curvature 1: 33.84 (±2%) Radius of Curvature 2: Plano S/D: 60/40 Edge thickness: 3.1mm (derived) <table><tr><td>Effective F.L.</td><td>Back F.L.</td><td>Wavelength</td></tr><tr><td>78mm</td><td>72mm</td><td>0.633µm</td></tr><tr><td>79mm</td><td>73mm</td><td>1.064µm</td></tr><tr><td>81mm</td><td>75mm</td><td>3.0µm</td></tr><tr><td>85mm</td><td>78mm</td><td>5.0µm</td></tr></table> Paraxial F.L. Tolerances ±2% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface.	Effective F.L.	Back F.L.	Wavelength	78mm	72mm	0.633µm	79mm	73mm	1.064µm	81mm	75mm	3.0µm	85mm	78mm	5.0µm
Effective F.L.	Back F.L.	Wavelength																		
78mm	72mm	0.633µm																		
79mm	73mm	1.064µm																		
81mm	75mm	3.0µm																		
85mm	78mm	5.0µm																		

CAF38.1L ENS75U	38.1mm Ø	33.84 (±2%)	66mm @ 248nm	UV 平凸	CALCIUM FLUORIDE PLANO-CONVEX LENS 38.1mm Ø X 75mm F.L. @ 3µm* MATERIAL: UV Grade CaF₂ Diameter: 38.1mm (±0.1mm) Centre Thickness: 9.0mm (±0.1mm) Radius of Curvature 1: 33.84 (±2%) Radius of Curvature 2: Plano S/D: 60/40 Edge thickness: 3.1mm (derived) <table><tr><td>Effective F.L.</td><td>Back F.L.</td><td>Wavelength</td></tr><tr><td>72mm</td><td>66mm</td><td>0.248µm</td></tr><tr><td>78mm</td><td>72mm</td><td>0.633µm</td></tr><tr><td>79mm</td><td>73mm</td><td>1.064µm</td></tr><tr><td>81mm</td><td>75mm</td><td>3.0µm</td></tr><tr><td>85mm</td><td>78mm</td><td>5.0µm</td></tr></table> Parallel F.L. Tolerances ±2% to nearest mm EFL from this lens formula. BFL is referenced from the lens surface.	Effective F.L.	Back F.L.	Wavelength	72mm	66mm	0.248µm	78mm	72mm	0.633µm	79mm	73mm	1.064µm	81mm	75mm	3.0µm	85mm	78mm	5.0µm
Effective F.L.	Back F.L.	Wavelength																					
72mm	66mm	0.248µm																					
78mm	72mm	0.633µm																					
79mm	73mm	1.064µm																					
81mm	75mm	3.0µm																					
85mm	78mm	5.0µm																					
CAF38.1L ENS160	38.1mm Ø	68.16 (±2%)	160mm @ 3µm	IR 平 凸	CALCIUM FLUORIDE PLANO-CONVEX LENS 38.1mm Ø X 160mm F.L. @ 3µm MATERIAL: IR Grade CaF₂ Diameter: 38.1mm (+0.1 / -0.2mm) Centre Thickness: 4.5mm (±0.1mm) Radius of Curvature 1: 68.16 (±2%) Radius of Curvature 2: Plano S/D: 60/40 Edge thickness: 1.8mm (derived) <table><tr><td>Effective F.L.</td><td>Back F.L.</td><td>Wavelength</td></tr><tr><td>157mm</td><td>154mm</td><td>0.633µm</td></tr><tr><td>159mm</td><td>156mm</td><td>1.064µm</td></tr><tr><td>163mm</td><td>160mm</td><td>3.0µm</td></tr><tr><td>171mm</td><td>167mm</td><td>5.0µm</td></tr></table> Parallel F.L. Tolerances ±2% to nearest mm EFL from this lens formula. BFL is referenced from the lens surface.	Effective F.L.	Back F.L.	Wavelength	157mm	154mm	0.633µm	159mm	156mm	1.064µm	163mm	160mm	3.0µm	171mm	167mm	5.0µm			
Effective F.L.	Back F.L.	Wavelength																					
157mm	154mm	0.633µm																					
159mm	156mm	1.064µm																					
163mm	160mm	3.0µm																					
171mm	167mm	5.0µm																					
CAF38.1L ENS250U	38.1mm Ø	100 (±2%)	215mm @ 248nm	UV 平凸	CALCIUM FLUORIDE PLANO-CONVEX LENS 38.1mm Ø X 250mm F.L. @ 5µm MATERIAL: UV Grade CaF₂ Diameter: 38.1mm (±0.1mm) Centre Thickness: 3.8mm (±0.1mm) Radius of Curvature 1: 100.0 (±2%) Radius of Curvature 2: Plano S/D: 60/40 Edge thickness: 2.0mm (derived) <table><tr><td>Effective F.L.</td><td>Back F.L.</td><td>Wavelength</td></tr><tr><td>213mm</td><td>211mm</td><td>0.248µm</td></tr><tr><td>231mm</td><td>229mm</td><td>0.633µm</td></tr><tr><td>233mm</td><td>231mm</td><td>1.064µm</td></tr><tr><td>240mm</td><td>237mm</td><td>3.0µm</td></tr><tr><td>250mm</td><td>247mm</td><td>5.0µm</td></tr></table> Parallel F.L. Tolerances ±2% to nearest mm EFL from this lens formula. BFL is referenced from the lens surface.	Effective F.L.	Back F.L.	Wavelength	213mm	211mm	0.248µm	231mm	229mm	0.633µm	233mm	231mm	1.064µm	240mm	237mm	3.0µm	250mm	247mm	5.0µm
Effective F.L.	Back F.L.	Wavelength																					
213mm	211mm	0.248µm																					
231mm	229mm	0.633µm																					
233mm	231mm	1.064µm																					
240mm	237mm	3.0µm																					
250mm	247mm	5.0µm																					
CAF38.1L ENS475	38.1mm Ø	190.35 (±2%)	475mm @ 5µm	IR 平 凸	CALCIUM FLUORIDE PLANO-CONVEX LENS 38.1mm Ø X 475mm F.L. @ 5µm MATERIAL: IR Grade CaF₂ Diameter: 38.1mm (+0.05 / -0.0mm) Centre Thickness: 4.0mm (±0.1mm) Radius of Curvature 1: 190.35 (±2%) Radius of Curvature 2: Plano S/D: 60/40 Edge thickness: 3.0mm (derived) <table><tr><td>Effective F.L.</td><td>Back F.L.</td><td>Wavelength</td></tr><tr><td>440mm</td><td>437mm</td><td>0.633µm</td></tr><tr><td>444mm</td><td>442mm</td><td>1.064µm</td></tr><tr><td>456mm</td><td>453mm</td><td>3.0µm</td></tr><tr><td>477mm</td><td>474mm</td><td>5.0µm</td></tr></table> Parallel F.L. Tolerances ±2% to nearest mm EFL from this lens formula. BFL is referenced from the lens surface.	Effective F.L.	Back F.L.	Wavelength	440mm	437mm	0.633µm	444mm	442mm	1.064µm	456mm	453mm	3.0µm	477mm	474mm	5.0µm			
Effective F.L.	Back F.L.	Wavelength																					
440mm	437mm	0.633µm																					
444mm	442mm	1.064µm																					
456mm	453mm	3.0µm																					
477mm	474mm	5.0µm																					

CAF40LE NS120	40mm Ø	50.25 (±2%)	120mm @ 3µm	UV 平凸	
CAF40LE NS150	40mm Ø	64 (±2%)	150mm @ 3µm	IR 平 凸	CALCIUM FLUORIDE PLANO-CONVEX LENS 40mm Ø X 150mm F.L. @ 3µm MATERIAL: IR Grade CaF₂ Diameter: 40.0mm (±0.1mm) Centre Thickness: 4.1mm (±0.1mm) Radius of Curvature 1: 64.0 (±2%) Radius of Curvature 2: Plano S/D: 60/40 Edge thickness: 1.0mm (derived) Effective F.L. 148mm Back F.L. 145mm Wavelength 0.633µm 149mm 146mm 1.064µm 153mm 150mm 3.0µm 160mm 157mm 5.0µm Paraxial F.L. Tolerances ±2% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface.
CAF40LE NS200	40mm Ø	85 (±2%)	200mm @ 3µm	IR 平 凸	CALCIUM FLUORIDE PLANO-CONVEX LENS 40mm Ø X 200mm F.L. @ 3µm MATERIAL: IR Grade CaF₂ Diameter: 40.0mm (±0.1mm) Centre Thickness: 3.3mm (±0.1mm) Radius of Curvature 1: 85.0 (±2%) Radius of Curvature 2: Plano S/D: 60/40 Edge thickness: 1.0mm (derived) Effective F.L. 196mm Back F.L. 194mm Wavelength 0.633µm 198mm 196mm 1.064µm 203mm 201mm 3.0µm 212mm 210mm 5.0µm Paraxial F.L. Tolerances ±2% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface.
CAF40LE NS330	40mm Ø	138 (±2%)	330mm @ 3µm	IR 平 凸	
CAF40LE NS440	40mm Ø	187 (±2%)	440mm @ 3µm	IR 平 凸	CALCIUM FLUORIDE PLANO-CONVEX LENS 40mm Ø X 440mm F.L. @ 3µm MATERIAL: IR Grade CaF₂ Diameter: 40.0mm (±0.1mm) Centre Thickness: 2.0mm (±0.1mm) Radius of Curvature 1: 187.0 (±2%) Radius of Curvature 2: Plano S/D: 60/40 Edge thickness: 1.0mm (derived) Effective F.L. 432mm Back F.L. 431mm Wavelength 0.633µm 436mm 435mm 1.064µm 448mm 446mm 3.0µm 468mm 467mm 5.0µm Paraxial F.L. Tolerances ±2% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface.

CAF50LE NS80	50mm Ø	65.6 (±2%)	80mm @ 5µm	IR 平 凸	CALCIUM FLUORIDE BI-CONVEX LENS 50mm Ø X 80mm F.L. @ 5µm MATERIAL: IR Grade CaF₂ Diameter: 50.0mm (±0.1mm) Centre Thickness: 19.9mm (±0.1mm) Radius of Curvature 1: 65.6 (±2%) Radius of Curvature 2: 65.6 (±2%) S/D: 60/40 Edge thickness: 10mm (derived) Effective F.L.79mm80mm82mm86mm Back F.L.72mm73mm75mm78mm Wavelength0.633µm1.064µm3.0µm5.0µm Paraxial FL Tolerances ±2% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface.
CAF50LE NS100	50mm Ø	43.0 (±2%)	100mm @ 1µm	IR 双 凸	CALCIUM FLUORIDE PLANO-CONVEX LENS 50mm Ø X 100mm F.L. @ 1µm MATERIAL: IR Grade CaF₂ Diameter: 50.0mm (±0.1mm) Centre Thickness: 10.0mm (±0.1mm) Radius of Curvature 1: 43.0 (±2%) Radius of Curvature 2: Plano S/D: 60/40 Edge thickness: 2.0mm (derived) Effective F.L.99mm100mm103mm108mm Back F.L.92mm93mm96mm101mm Wavelength0.633µm1.064µm3.0µm5.0µm Paraxial FL Tolerances ±2% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface.
CAF50LE NS135	50mm Ø	57.0 (±2%)	135mm @ 5µm	IR 平 凸	CALCIUM FLUORIDE PLANO-CONVEX LENS 50mm Ø X 135mm F.L. @ 5µm MATERIAL: IR Grade CaF₂ Diameter: 50.0mm (±0.1mm) Centre Thickness: 7.8mm (±0.1mm) Radius of Curvature 1: 57 (±2%) Radius of Curvature 2: Plano S/D: 60/40 Edge thickness: 2mm (derived) Effective F.L.132mm133mm136mm143mm Back F.L.126mm128mm131mm137mm Wavelength0.633µm1.064µm3.0µm5.0µm Paraxial FL Tolerances ±2% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface.

CAF50LE	50mm Ø	198.9	250mm	IR 双	CALCIUM FLUORIDE BI-CONVEX LENS 50mm Ø X 250mm F.L. @ 5µm MATERIAL: IR Grade CaF₂ Diameter: 50.0mm (±0.1mm) Centre Thickness: 6.2mm (±0.1mm) Radius of Curvature 1: 198.9 (±2%) Radius of Curvature 2: 198.9 (±2%) S/D: 60/40 Edge thickness: 3mm (derived) <table><tr><td>Effective F.L.</td><td>Back F.L.</td><td>Wavelength</td></tr><tr><td>231mm</td><td>229mm</td><td>0.633µm</td></tr><tr><td>233mm</td><td>231mm</td><td>1.064µm</td></tr><tr><td>239mm</td><td>237mm</td><td>3.0µm</td></tr><tr><td>250mm</td><td>248mm</td><td>5.0µm</td></tr></table> Paraxial FL Tolerances ±2% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface.	Effective F.L.	Back F.L.	Wavelength	231mm	229mm	0.633µm	233mm	231mm	1.064µm	239mm	237mm	3.0µm	250mm	248mm	5.0µm
Effective F.L.		Back F.L.	Wavelength																	
231mm	229mm	0.633µm																		
233mm	231mm	1.064µm																		
239mm	237mm	3.0µm																		
250mm	248mm	5.0µm																		
NS250	(±2%)	@ 5µm	凸																	

CaF₂ 负透镜

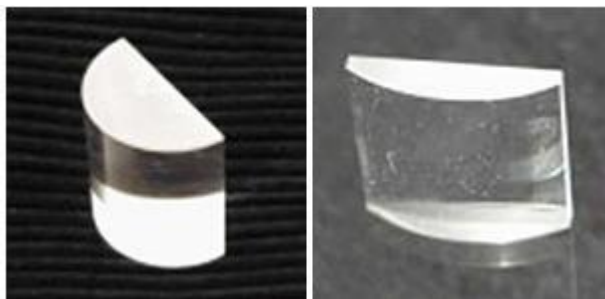


订购信息:

订购型号	规格	曲率	焦距	CaF2 等级	参数															
CAF25LE NS-50	25mm Ø	-20.40 (±2%)	-50mm @ 3µm	IR 平凹	CALCIUM FLUORIDE PLANO-CONCAVE LENS 25mm Ø X -50mm F.L. @ 3µm MATERIAL: IR Grade CaF₂ Diameter:25.0mm (±0.1mm) Centre Thickness:3.0mm (±0.1mm) Radius of Curvature 1:-20.40 (±2%) Radius of Curvature 2:Plano S/D:60/40 Edge thickness:7.3mm (derived) <table><tr><td>Effective F.L.</td><td>Back F.L.</td><td>Wavelength</td></tr><tr><td>-47mm</td><td>-49mm</td><td>0.633µm</td></tr><tr><td>-48mm</td><td>-50mm</td><td>1.064µm</td></tr><tr><td>-49mm</td><td>-51mm</td><td>3.0µm</td></tr><tr><td>-51mm</td><td>-53mm</td><td>5.0µm</td></tr></table> Paraxial F.L. Tolerances ±2% to nearest mm EFL from thin lens formula. BFL is referenced from the lens surface	Effective F.L.	Back F.L.	Wavelength	-47mm	-49mm	0.633µm	-48mm	-50mm	1.064µm	-49mm	-51mm	3.0µm	-51mm	-53mm	5.0µm
Effective F.L.	Back F.L.	Wavelength																		
-47mm	-49mm	0.633µm																		
-48mm	-50mm	1.064µm																		
-49mm	-51mm	3.0µm																		
-51mm	-53mm	5.0µm																		

CAF25LE NS-100	25mm Ø	-40.32 (±2%)	-100mm @ 3µm	IR 平凹	CALCIUM FLUORIDE PLANO-CONCAVE LENS 25mm Ø X -100mm F.L. @ 3µm MATERIAL: IR Grade CaF ₂ Diameter: 25.0mm (±0.1mm) Centre Thickness: 2.0mm (±0.1mm) Radius of Curvature 1: -40.32 (±2%) Radius of Curvature 2: Plano S/D: 60/40 Edge thickness: 3.8mm (derived) Effective F.L. Back F.L. Wavelength -93mm -95mm 0.633µm -94mm -96mm 1.064µm -97mm -98mm 3.0µm -101mm -102mm 5.0µm Paraxial F.L. Tolerances ±2% to nearest mm EFL from the lens formula. DFL is referenced from the lens surface.
CAF25LE NS-150	25mm Ø	-59.85 (±2%)	-150mm @ 5µm	IR 平凹	CALCIUM FLUORIDE PLANO-CONCAVE LENS 25mm Ø X -150mm F.L. @ 5µm MATERIAL: IR Grade CaF ₂ Diameter: 25.0mm (±0.1mm) Centre Thickness: 2.1mm (±0.1mm) Radius of Curvature 1: -59.85 (±2%) Radius of Curvature 2: Plano S/D: 60/40 Edge thickness: 3.3mm (derived) Effective F.L. Back F.L. Wavelength -138mm -141mm 0.633µm -139mm -142mm 1.064µm -143mm -146mm 3.0µm -150mm -152mm 5.0µm Paraxial F.L. Tolerances ±2% to nearest mm EFL from the lens formula. DFL is referenced from the lens surface.

CaF₂ 柱面透镜:



订购信息:

订购型号	规格	曲率	焦距	CaF ₂ 等级
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CAF25-25LENS25C	25mm x 25mm 平凸半圆柱	12.5 ($\pm 2\%$)	25mm @ 3 μm	IR 平凸
CAF25-25LENS350C	25mm x 25mm	150 ($\pm 2\%$)	350mm @ 3 μm	IR 平凸