

CALCIUM FLUORIDE PLANO-CONVEX LENS

25mm \varnothing x 50mm F.L. @ 3 μ m

MATERIAL: IR Grade CaF₂

Diameter:	25.0mm (\pm 0.1mm)
Centre Thickness:	6.1mm (\pm 0.1mm)
Radius of Curvature 1:	20.9 (\pm 2%)
Radius of Curvature 2:	Plano
S/D:	60/40
Edge thickness:	2.0mm (derived)

Effective F.L.	Back F.L.	Wavelength
48mm	44mm	0.633 μ m
49mm	45mm	1.064 μ m
50mm	45mm	3.0 μ m
52mm	48mm	5.0 μ m

Paraxial FL Tolerances \pm 5% to nearest mm
EFL from thin lens formula. BFL is referenced from the back lens surface.

Crystran Stock

Modifications		
Issue C	07/16 KJM	ET marked as derived FL table
Issue B	05/14 KST	
Issue A	11/06 KJM	

CRYSTRAN LTD
1 Broom Road Business Park, Poole, BH12 4PA
Title: CaF ₂ Lens
DRG # 25LENS50