

# CALCIUM FLUORIDE PLANO-CONCAVE LENS

25mm Ø X -100mm F.L. @ 3µm

MATERIAL: IR Grade CaF<sub>2</sub>

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 FL Tolerances ±2% to nearest mm  
EFL from thin lens formula. BFL is referenced from the lens surface.

*Crystran Stock*

Modifications		
Issue C	3/17	ET marked as derived. FL table
Issue B	11/12	Changed ROC from -44mm
Issue A	11/05	KJM

<p><b>CRYSTRAN LTD</b> 1 Broom Road Business Park, Poole, BH12 4PA</p> <p>Title: CaF<sub>2</sub> Lens</p> <p><b>DRG # 25LENS-100</b></p>
--