

# CALCIUM FLUORIDE PLANO-CONCAVE LENS

25mm Ø X -50mm F.L. @ 3µm

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

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)

| Effective F.L. | Back F.L. | Wavelength |
|----------------|-----------|------------|
| -47mm          | -49mm     | 0.633µm    |
| -48mm          | -50mm     | 1.064µm    |
| -49mm          | -51mm     | 3.0µm      |
| -51mm          | -53mm     | 5.0µm      |

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

*Crystran Stock*

| Modifications |      |                                |
|---------------|------|--------------------------------|
|               |      |                                |
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| Issue C       | 7/16 | ET marked as derived. FL table |
| Issue B       | 5/14 | KST                            |
| Issue A       | 9/05 | KJM                            |

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| <p><b>CRYSTRAN LTD</b><br/>1 Broom Road Business Park, Poole, BH12 4PA</p> <p>Title: CaF<sub>2</sub> Lens</p> <p><b>DRG # 25LENS-50</b></p> |
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