

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. | Back F.L. | Wavelength |
|----------------|-----------|------------|
| 99mm | 92mm | 0.633µm |
| 100mm | 93mm | 1.064µm |
| 103mm | 96mm | 3.0µm |
| 108mm | 101mm | 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 | 07/17 | ET marked as derived. FL table |
| Issue B | 05/14 | KST |
| Issue A | 12/10 | KJM |

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| <p>CRYSTRAN LTD 1 Broom Road Business Park, Poole, BH12 4PA</p> <p>Title: CaF₂ Lens</p> <p>DRG # 50LENS100</p> |
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