

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)

| 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 |

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

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| Modifications | | |
|---------------|-----------|--------------------------------|
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| Issue C | 01/17 KJM | ET marked as derived. FL table |
| Issue B | 05/14 KST | |
| Issue A | 11/06 KJM | |

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| <p>CRYSTRAN LTD 1 Broom Road Business Park, Poole, BH12 4PA</p> <p>Title: CaF₂ Lens</p> <p>DRG # 18.5LENS26</p> |
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