

# CALCIUM FLUORIDE BI-CONVEX LENS

50mm Ø X 250mm F.L. @ 5µm

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

Diameter: 50.0mm (±0.1mm)

Centre Thickness: 6.2mm (±0.1mm)

Radius of Curvature 1: 198.9 (±2%)

Radius of Curvature 2: 198.9 (±2%)

S/D: 60/40

Edge thickness: 3mm (derived)

Effective F.L.	Back F.L.	Wavelength
231mm	229mm	0.633µm
233mm	231mm	1.064µm
239mm	237mm	3.0µm
250mm	248mm	5.0µm

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

*4-8047 type*

Modifications		
Issue C	08/17	ET marked as derived. FL table
Issue B	05/14	KST
Issue A	8/06	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 # 50LENS250</b></p>
---