

# ZINC SELENIDE PLANO-CONVEX LENS

25.4mm diameter x 65mm nominal F.L.

MATERIAL: CVD ZnSe

Diameter:	25.4mm ( $\pm 0.1$ mm)
Clear Aperture	80% of diameter
Edge thickness:	2.0mm ( $\pm 0.1$ mm)
Centre Thickness:	2.9mm <i>derived</i>
Chamfers:	approx 0.1mm break-edge
Radius of Curvature 1:	90.4 ( $\pm 1$ mm)
Radius of Curvature 2:	Plano
Centration	< 5 minutes
Surface Accuracy	$\lambda/10$ at 10.6 $\mu$ m
S/D:	60/40
Coating:	Uncoated

Effective Focal length	
0.633nm	57.4mm
1064nm	60.7mm
7 $\mu$ m	63.6mm
10.6 $\mu$ m	64.4mm
14 $\mu$ m	65.8mm

*Crystran Stock.*

<b>Issue A</b>	<b>3/08 KJM</b>

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<b>Title: ZnSe Lens</b>
<b>DRG # ZNSE25.4LENS65</b>