



NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 10.6 μm
2. FOCAL LENGTH: $f = -200.0 \text{ mm} \pm 1\%$
3. BACK FOCAL LENGTH(REF): $bf = -200.8 \text{ mm}$
4. CLEAR APERTURE: $> \varnothing 20.3 \text{ mm}$
5. SURFACE QUALITY (S1, S2): 60-40 SCRATCH-DIG
6. CENTRATION: $< 3 \text{ arcmin}$
7. DIAMETER TOLERANCE: $+0.0/-0.1 \text{ mm}$
8. THICKNESS TOLERANCE: $\pm 0.1 \text{ mm}$
9. COATING (S1, S2): BBAR 4.5-7.5 μm , Ravg: $< 1.0\%$, Rabs: $< 1.0\%$, Tavg: $> 97\%$, Tabs: $> 94\%$, 0° AOI

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION		
NAME	DATE	
DRAWN GG	30/MAY/19	
APPROVAL DD	30/MAY/19	
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VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS		

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ZnSe PLANO-CONCAVE LENS, $\varnothing 25.4 \text{ mm}$, $f = -200 \text{ mm}$, BBAR: 4.5-7.5 μm	
MATERIAL	REV
ZINC SELENIDE	A
ITEM #	APPROX WEIGHT
LC7142-E2	6 g