



NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 10.6 μm
2. FOCAL LENGTH: $f = -75.0 \text{ mm} \pm 1\%$
3. BACK FOCAL LENGTH(REF): $bf = -75.8 \text{ mm}$
4. CLEAR APERTURE: $> \text{Ø} 20.3 \text{ mm}$
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 , $R_{\text{avg}} < 1.0\%$, $R_{\text{abs}} < 2.0\%$, $T_{\text{avg}} > 97\%$, $T_{\text{abs}} > 94\%$, 0° AOI

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			 www.thorlabs.com	
NAME	DATE			
DRAWN	GG	30/MAY/19	ZnSe PLANO-CONCAVE LENS, $\text{Ø} 25.4 \text{ mm}$, $f = -75 \text{ mm}$, BBAR: 4.5-7.5 μm	
APPROVAL	DD	30/MAY/19	MATERIAL	REV
COPYRIGHT © 2019 BY THORLABS			ZINC SELENIDE	A
VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			ITEM #	APPROX WEIGHT
			LC7421-E2	6 g