



NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 10.6  $\mu\text{m}$
2. FOCAL LENGTH:  $f = -100.0 \text{ mm} \pm 1\%$
3. BACK FOCAL LENGTH(REF):  $bf = -100.8 \text{ mm}$
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  $\mu\text{m}$ ,  $R_{\text{avg}} < 1.0\%$ ,  $R_{\text{abs}} < 2.0\%$ ,  $T_{\text{avg}} > 97\%$ ,  $T_{\text{abs}} > 94\%$ ,  $0^\circ \text{ AOI}$

FOR INFORMATION ONLY  
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			 <a href="http://www.thorlabs.com">www.thorlabs.com</a>	
	NAME	DATE		
DRAWN	GG	30/MAY/19	ZnSe PLANO-CONCAVE LENS, $\text{Ø} 25.4 \text{ mm}$ , $f = -100 \text{ mm}$ , BBAR: 4.5-7.5 $\mu\text{m}$	
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
			LC7414-E2	6 g