



NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 10.6 μm
2. FOCAL LENGTH: $f = -50.0 \text{ mm} \pm 1\%$
3. BACK FOCAL LENGTH(REF): $bf = -50.8 \text{ mm}$
4. CLEAR APERTURE: $> \varnothing 20.3 \text{ mm}$
5. SURFACE QUALITY: 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: BBAR $R_{\text{avg}} < 3.5\%$, $R_{\text{abs}} < 6\%$, $T_{\text{avg}} > 92\%$, $T_{\text{abs}} > 85\%$, $2.0-13.0 \mu\text{m}$, AOI: 0° ON BOTH OPTICAL SURFACES

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION				THORLABS www.thorlabs.com	
	NAME	DATE			
DRAWN	GG	05/OCT/17		ZnSe PLANO-CONCAVE LENS, $\varnothing 25.4 \text{ mm}$, $f = -50 \text{ mm}$, BBAR: $2.0-13.0 \mu\text{m}$	
APPROVAL	DD	05/OCT/17		MATERIAL	REV
COPYRIGHT © 2020 BY THORLABS				ZINC SELENIDE	
VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS				ITEM #	APPROX WEIGHT
				LC7235-E4	7 g
				A	