



NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 10.6 μm
2. FOCAL LENGTH: $f=500.0 \text{ mm} \pm 1\%$
3. BACK FOCAL LENGTH(REF): $bf=499.1 \text{ mm}$
4. CLEAR APERTURE: $> \text{Ø} 20.3 \text{ mm}$
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 μm , 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-CONVEX LENS, $\text{Ø} 25.4 \text{ mm}$, $f=500 \text{ mm}$, BBAR: 2.0-13.0 μm	
APPROVAL	DD	05/OCT/17	MATERIAL	REV
COPYRIGHT © 2020 BY THORLABS <small>VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS</small>			ZINC SELENIDE	A
			ITEM #	APPROX WEIGHT
			LA7270-E4	6 g