



SECTION A-A

NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 10.6 μm
2. FOCAL LENGTH: $f=40.0\text{mm} \pm 1\%$
3. BACK FOCAL LENGTH: $bf=39.0\text{mm}$
4. CLEAR APERTURE: $> \varnothing 10.16\text{mm}$
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 $R_{\text{avg}} < 1.0\%$, $R_{\text{abs}} < 2.0\%$, $T_{\text{avg}} > 97\%$, $T_{\text{abs}} > 92\%$, 7-12 μm , 0° AOI ON BOTH OPTICAL SURFACES

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			THORLABS www.thorlabs.com ZnSe PLANO-CONVEX LENS $\varnothing 12.7\text{mm}$, $f=40.0\text{mm}$, BBAR 7-12 μm	
DRAWN	MG	DATE		
APPROVAL	DD	DATE	20/JAN/20	MATERIAL
COPYRIGHT © 2020 BY THORLABS				CVD LASER GRADE ZnSe
VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			ITEM #	APPROX WEIGHT
			LA7673-E3	2 g
				REV A