



SECTION A-A

NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 10.6 μm
2. FOCAL LENGTH: $f=25.4\text{mm} \pm 1\%$
3. BACK FOCAL LENGTH: $bf=23.6\text{mm}$
4. CLEAR APERTURE: $> \text{Ø}20.32\text{mm}$
5. SURFACE QUALITY: 60-40 SCRATCH-DIG
6. CENTRATION: < 3 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 $\text{Ø}25.4\text{mm}$, $f=25.4\text{mm}$, BBAR 7-12 μm	
NAME	DATE			
DRAWN	MG	16/JAN/20	MATERIAL	
APPROVAL	DD	20/JAN/20	CVD LASER GRADE ZnSe	
COPYRIGHT © 2020 BY THORLABS VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			ITEM #	APPROX WEIGHT
			LA7542-E3	9 g
			REV	A