



SECTION A-A

NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 10.6 $\mu\text{m}$
2. FOCAL LENGTH:  $f=20.0\text{mm} \pm 1\%$
3. BACK FOCAL LENGTH:  $bf=18.9\text{mm}$
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 $\mu\text{m}$ , 0° AOI ON BOTH OPTICAL SURFACES

FOR INFORMATION ONLY  
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			<b>THORLABS</b> www.thorlabs.com <b>ZnSe PLANO-CONVEX LENS</b> $\varnothing 12.7\text{mm}$ , $f=20.0\text{mm}$ , BBAR 7-12 $\mu\text{m}$	
DRAWN	MG	16/JAN/20		
APPROVAL	DD	20/JAN/20	MATERIAL <b>CVD LASER GRADE ZnSe</b>	
COPYRIGHT © 2020 BY THORLABS			ITEM #	APPROX WEIGHT
VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			LA7733-E3	2 g
			REV	A