



SECTION A-A

NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 10.6  $\mu\text{m}$
2. FOCAL LENGTH:  $f = -200.0\text{ mm} \pm 1\%$
3. BACK FOCAL LENGTH(REF):  $bf = -200.8\text{ mm}$
4. CLEAR APERTURE:  $> \varnothing 20.3\text{ mm}$
5. SURFACE QUALITY (S1, S2): 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 (S1, S2): BBAR 7.0-12.0  $\mu\text{m}$ ,  $R_{\text{avg}} < 1.0\%$ ,  $R_{\text{abs}} < 1.0\%$ ,  $T_{\text{avg}} > 97\%$ ,  $T_{\text{abs}} > 92\%$ ,  $0^\circ\text{ AOI}$

FOR INFORMATION ONLY  
 NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			<b>THORLABS</b> <a href="http://www.thorlabs.com">www.thorlabs.com</a> ZnSe PLANO-CONCAVE LENS, $\varnothing 25.4\text{ mm}$ , $f = -200\text{ mm}$ , BBAR: 7.0-12.0 $\mu\text{m}$	
NAME	DATE			
DRAWN	JAC	23/JAN/20	MATERIAL <b>ZINC SELENIDE</b>	
APPROVAL	DD	23/JAN/20		
COPYRIGHT © 2020 BY THORLABS VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			ITEM #	APPROX WEIGHT
			LC7142-E3	6 g