



SECTION A-A

NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 10.6 $\mu\text{m}$
2. FOCAL LENGTH:  $f=500.0\text{mm} \pm 1\%$
3. BACK FOCAL LENGTH(REF):  $bf=499.1\text{mm}$
4. CLEAR APERTURE:  $>20.32\text{mm}$
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  $R_{\text{avg}} < 1\%$  FROM 7.0-12.0 $\mu\text{m}$ ,  $0^\circ$  AOI ON BOTH OPTICAL SURFACES

FOR INFORMATION ONLY  
 NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			<b>THORLABS</b> <a href="http://www.thorlabs.com">www.thorlabs.com</a> ZnSe PLANO-CONVEX LENS, $\varnothing 25.4\text{mm}$ , $f=500\text{mm}$ , BBAR: 7.0-12.0 $\mu\text{m}$	
	NAME	DATE		
DRAWN	CFS	26/MAR/14	MATERIAL	
APPROVAL	MI	21/APR/14	ZnSe	REV A
COPYRIGHT © 2014 BY THORLABS <small>VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS</small>			ITEM #	APPROX WEIGHT
			LA7270-G	5.5g