



SECTION A-A

NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH:  $4\mu\text{m}$
2. FOCAL LENGTH:  $f=30.0\text{mm} \pm 1\%$
3. BACK FOCAL LENGTH(REF):  $bf=22.8\text{mm}$
4. CLEAR APERTURE:  $>22.86\text{mm}$
5. SURFACE QUALITY: 40-20 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  $R_{\text{avg}} < 1.25\%$  FROM 2.0-5.0 $\mu\text{m}$ ,  $0^\circ$  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> BaF2 PLANO-CONVEX LENS, $\varnothing 25.4\text{mm}$ , $f=30\text{mm}$ , BBAR: 2.0-5.0 $\mu\text{m}$	
NAME	DATE			
DRAWN	EMT	26/MAR/14	MATERIAL <b>BARIUM FLUORIDE</b>	
APPROVAL	MI	08/APR/14		
COPYRIGHT © 2014 BY THORLABS			ITEM #	APPROX WEIGHT
VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND-OFF ERRORS			LA0583-E	17g