



SECTION A-A

NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 10.6 μm
2. FOCAL LENGTH: $f=40.0\text{mm} \pm 1\%$
3. BACK FOCAL LENGTH(REF): $bf=39.5\text{mm}$
4. CLEAR APERTURE: $>10.16\text{mm}$
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 (S1,S2): BBAR 7.0-12.0 μm , $R_{\text{avg}} < 1.0\%$, $R_{\text{abs}} < 2.0\%$, $T_{\text{avg}} > 97\%$, $T_{\text{abs}} > 92\%$, 0° AOI ON BOTH OPTICAL SURFACES

FOR INFORMATION ONLY
 NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			THORLABS www.thorlabs.com	
	NAME	DATE		
DRAWN	CFS	01/AUG/16	ZnSe BI-CONVEX LENS, $\phi 12.7\text{mm}$, $f=40\text{mm}$, BBAR: 7.0-12.0 μm	
APPROVAL	MZ	01/AUG/16	MATERIAL	REV
COPYRIGHT © 2017 BY THORLABS VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			CVD LASER GRADE ZnSe	A
			ITEM #	APPROX WEIGHT
			LB7002-E3	1.5g