



SECTION A-A

NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 10.6 μm
2. FOCAL LENGTH: $f=20.0\text{mm} \pm 1\%$
3. BACK FOCAL LENGTH(REF): $bf=19.4\text{mm}$
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				 www.thorlabs.com	
NAME	DATE	ZnSe BI-CONVEX LENS, $\phi 12.7\text{mm}$, $f=20\text{mm}$, BBAR: 7.0-12.0 μm		MATERIAL	
DRAWN	CFS	01/AUG/16	CVD LASER GRADE ZnSe		REV
APPROVAL	MZ	01/AUG/16			A
COPYRIGHT © 2017 BY THORLABS					
VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS				ITEM #	APPROX WEIGHT
				LB7639-E3	1.6g