



SECTION A-A

NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 10.6 μm
2. FOCAL LENGTH: $f=50.0\text{mm} \pm 1\%$
3. BACK FOCAL LENGTH(REF): $bf=49.0\text{mm}$
4. CLEAR APERTURE: $> \varnothing 20.32\text{mm}$
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 7.0-12.0 μm , $R_{\text{avg}} < 1\%$, $R_{\text{abs}} < 2\%$, $T_{\text{avg}} > 94\%$, $T_{\text{abs}} > 90\%$, 0° AOI ON BOTH OPTICAL SURFACES

FOR INFORMATION ONLY
 NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			THORLABS www.thorlabs.com	
NAME	DATE			
DRAWN	CFS	30/MAR/16	GERMANIUM PLANO-CONVEX LENS, $\varnothing 25.4\text{mm}$, $f=50\text{mm}$, BBAR: 7.0-12.0 μm	
APPROVAL	MZ	18/JUL/16	MATERIAL	REV
COPYRIGHT © 2016 BY THORLABS			GERMANIUM	A
VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			ITEM #	APPROX WEIGHT
			LA9659-E3	10.1 g