



SECTION A-A

NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 587.6nm
2. FOCAL LENGTH: $f=80.0\text{mm} \pm 1\%$
3. BACK FOCAL LENGTH (REF): $bf=77.2\text{mm}$
4. CLEAR APERTURE: >90% OF SURFACE LENGTH AND HEIGHT
5. SURFACE QUALITY: 60-40 SCRATCH-DIG
6. CENTRATION: <3 arcmin
7. LENGTH AND HEIGHT TOLERANCE: $+0.0/-0.1\text{mm}$
8. THICKNESS TOLERANCE: $\pm 0.2\text{mm}$
9. SURFACE ACCURACY:
POWER = (S1): $3\lambda/2$, (S2): $\lambda/2$
IRREGULARITY = (S1H): λ , (S1L): λ/cm , (S2): $\lambda/4$
10. COATING (S1, S2): BBAR $R_{\text{avg}} < 0.5\%$ FROM 1050-1700nm, AOI: 0° ON OUTER OPTICAL SURFACES

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			 www.thorlabs.com	
NAME	DATE			
DRAWN	MG	10/SEP/13	H=20mm L=40mm f=80mm CYLINDRICAL N-BK7 PLANO CONVEX LENS	
APPROVAL	DD	14/DEC/15	MATERIAL	REV
COPYRIGHT © 2015 BY THORLABS			N-BK7	D
VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			ITEM #	APPROX WEIGHT
			LJ1105L2-C	7 g