



SECTION A-A  
SCALE 1 : 1.5

NOTES/SPECIFICATIONS:

1. DESIGN FREQUENCY: 500GHz (n=1.43)
2. FOCAL LENGTH: 200.0 mm  $\pm$  2.0%
3. BACK FOCAL LENGTH(REF): 184.2 mm
4. CLEAR APERTURE:  $\varnothing$  86.36 mm
5. SURFACE QUALITY: 60-40 SCRATCH-DIG
6. SURFACE IRREGULARITY:  $<60 \mu\text{m}$ , CORRESPONDING TO  $\lambda/10$  AT 500 GHz
7. CENTRATION:  $<3$  arcmin
8. DIAMETER TOLERANCE:  $+0.0/-0.2$  mm
9. CENTER THICKNESS TOLERANCE:  $\pm 0.20$  mm
10. RADIUS OF CURVATURE TOLERANCE:  $\pm 0.50$  mm

FOR INFORMATION ONLY  
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			<b>THORLABS</b> www.thorlabs.com <b>PLANO CONVEX LENS</b> <b>f=200.0 mm <math>\varnothing</math>101.6 mm</b>	
NAME	DATE			
DRAWN	DS	07/01/2019	MATERIAL <b>Virgin Grade PTFE</b>	
APPROVAL	BW	07/10/2019		
COPYRIGHT © 2019 BY THORLABS VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			ITEM #	APPROX WEIGHT
			LAT200	0.405 kg