



NOTES/SPECIFICATIONS:

1. DESIGN FREQUENCY: 500GHz (n=1.43)
2. FOCAL LENGTH: 115 mm  $\pm$  2.0%
3. BACK FOCAL LENGTH(REF): 98.7 mm
4. CLEAR APERTURE:  $\varnothing$ 64.77 mm
5. SURFACE QUALITY: 60-40 SCRATCH-DIG
6. SURFACE IRREGULARITY: <60  $\mu$ 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=115.0 mm <math>\varnothing</math>76.2 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
			LAT115	0.27 kg