



NOTES/SPECIFICATIONS:

1. DESIGN FREQUENCY: 500GHz (n=1.43)
2. FOCAL LENGTH: f=100.0 mm ± 2.0%
3. BACK FOCAL LENGTH(REF): fb=95.0 mm
4. CLEAR APERTURE: Ø42.5 mm
5. SURFACE QUALITY: 60-40 SCRATCH-DIG
6. TRANSMITTED WAVEFRONT ERROR: <10 µm, CORRESPONDING TO λ/20 AT 1.5 THz
7. CENTRATION: <3 arcmin
8. DIAMETER TOLERANCE: +0.0/-0.2 mm
9. CENTER THICKNESS TOLERANCE: ± 0.20 mm
10. RADIUS OF CURVATURE TOLERANCE: ± 0.50 mm

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			THORLABS www.thorlabs.com PLANO CONVEX LENS f=100.0 mm Ø50.0 mm	
NAME	DATE			
DRAWN	DS	07/01/2019	MATERIAL Virgin Grade PTFE	
APPROVAL	BW	07/10/2019		
COPYRIGHT © 2019 BY THORLABS VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			ITEM #	APPROX WEIGHT
			LAT100	44 g