



NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 587.6 nm
2. FOCAL LENGTH: $f=50.2\text{ mm} \pm 1\%$
3. BACK FOCAL LENGTH(REF): $bf=46.2\text{ mm}$
4. CLEAR APERTURE: $> \phi 22.86\text{ mm}$
5. SURFACE QUALITY: 20-10 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: VAR R $<0.25\%$ PER SURFACE FOR 405 nm, AOI: 0°

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			THORLABS www.thorlabs.com $\phi 25.4\text{ mm } f=50\text{ mm}$ FUSED SILICA PLANO CONVEX LENS, -405 nm COAT	
NAME	DATE			
DRAWN	YB	04/JAN/21	MATERIAL UV FUSED SILICA REV A	
APPROVAL	MG	08/JAN/21		
COPYRIGHT © 2021 BY THORLABS VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			ITEM #	APPROX WEIGHT
			LA4148-405	4.42 g