



ISOMETRIC VIEW
SCALE: 1:1

SECTION A-A

NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 587.6 nm
2. FOCAL LENGTH: $f=250.9\text{ mm} \pm 1\%$
3. BACK FOCAL LENGTH(REF): $bf=246.9\text{ mm}$
4. CLEAR APERTURE: $> \phi 45.72\text{ mm}$
5. SURFACE QUALITY: 40-20 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: BBAR $R_{avg} < 0.5\%$ FROM 650-1050 nm, AOI: 0°

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			THORLABS www.thorlabs.com	
NAME	DATE	$\phi 50.8\text{ mm } f=250.9\text{ mm}$ FUSED SILICA PLANO CONVEX LENS, -B COAT		
DRAWN	YB	25/JUN/21	MATERIAL	REV
APPROVAL	DS	27/AUG/21	UV FUSED SILICA	A
COPYRIGHT © 2021 BY THORLABS			ITEM #	APPROX WEIGHT
VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			LA4538-B	19.75 g