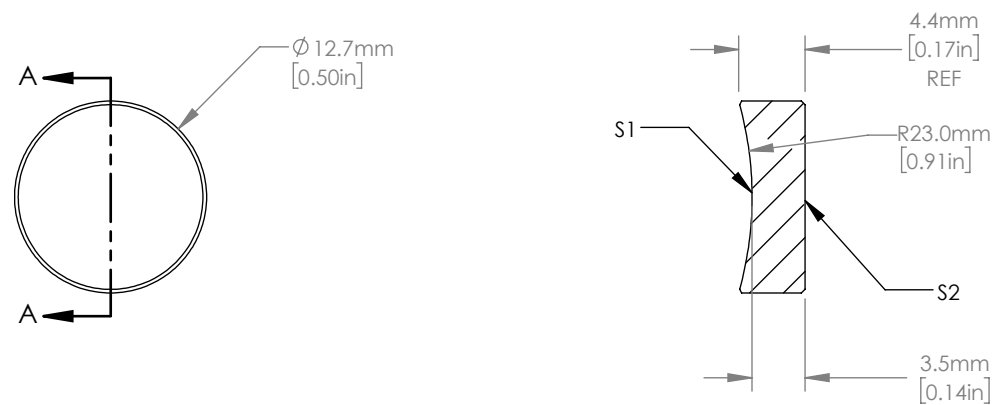




SECTION A-A

NOTES/SPECIFICATIONS:

- DESIGN WAVELENGTH: 587.6 nm
- FOCAL LENGTH:  $f = -50.2 \text{ mm} \pm 1\%$
- BACK FOCAL LENGTH(REF):  $bf = -52.6 \text{ mm}$
- CLEAR APERTURE:  $> \varnothing 11.43 \text{ mm}$
- SURFACE QUALITY: 40-20 SCRATCH-DIG
- CENTRATION:  $\leq 3 \text{ arcmin}$
- DIAMETER TOLERANCE:  $+0.0/-0.1 \text{ mm}$
- THICKNESS TOLERANCE:  $\pm 0.1 \text{ mm}$
- SURFACE IRREGULARITY:  $\leq \lambda/4, @633 \text{ nm}$
- PLANO SURFACE FLATNESS:  $\leq \lambda/2, @633 \text{ nm}$
- SPHERICAL SURFACE POWER:  $\leq 3\lambda/2, @633 \text{ nm}$
- COATING(S1,S2): BBAR  $R_{avg} < 0.5\%$  FOR 350 nm-700 nm,  $0^\circ \text{ AOI}$

FOR INFORMATION ONLY  
NOT FOR MANUFACTURING PURPOSES

|                                                    |      |                                                                                       |                                                                                       |          |       |     |
|----------------------------------------------------|------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------|-------|-----|
| DRAWING PROJECTION                                 |      |  |  |          |       |     |
|                                                    | NAME | DATE                                                                                  | UVFS PCC Lens, D12.7, F= -50 mm, A Coated                                             |          |       |     |
| DRAWN                                              | CWD  | 2022/5/18                                                                             | PC4127--50-A                                                                          |          |       |     |
| APPROVAL                                           | ZSB  | 2022/5/18                                                                             | MATERIAL                                                                              | WEIGHT   | SCALE | REV |
| FOR INFORMATION ONLYNOT FOR MANUFACTURING PURPOSES |      |                                                                                       | UV FUSED SILICA                                                                       | 0.0011kg |       | A   |