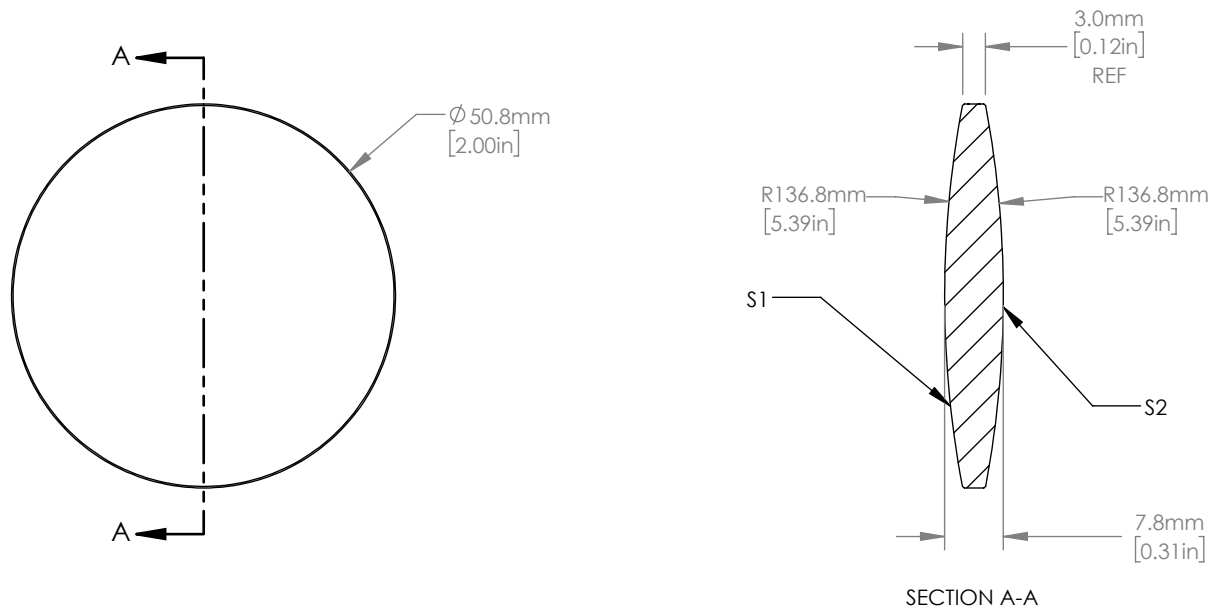




# NOTES/SPECIFICATIONS:

- DESIGN WAVELENGTH: 587.6 nm
- FOCAL LENGTH:  $f=150.5 \text{ mm} \pm 1\%$
- BACK FOCAL LENGTH(REF):  $bf=147.8 \text{ mm}$
- CLEAR APERTURE:  $> \varnothing 45.72 \text{ mm}$
- SURFACE QUALITY: 20-10 SCRATCH-DIG
- CENTRATION:  $\leq 3 \text{ arcmin}$
- DIAMETER TOLERANCE:  $+0.0/-0.1 \text{ mm}$
- THICKNESS TOLERANCE:  $\pm 0.1 \text{ mm}$
- SURFACE IRREGULARITY:  $\leq \lambda/4, @633 \text{ nm}$
- SPHERICAL SURFACE POWER:  $\leq 3\lambda/2, @633 \text{ nm}$
- COATING(S1,S2): VAR R<0.25% PER SURFACE FOR 1550 nm, 0° AOI

FOR INFORMATION ONLY  
NOT FOR MANUFACTURING PURPOSES

|                                                       |      |                                                                                       |                                                     |                                                                                       |       |     |
|-------------------------------------------------------|------|---------------------------------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------------------------------------|-------|-----|
| DRAWING<br>PROJECTION                                 |      |  |                                                     |  |       |     |
|                                                       | NAME | DATE                                                                                  | F=150.0mm, D50.8UVFS Bi-Convex Lens, 1550nm coating |                                                                                       |       |     |
| DRAWN                                                 | CWD  | 2022/5/18                                                                             | EX4508-150-1550                                     |                                                                                       |       |     |
| APPROVAL                                              | ZSB  | 2022/5/18                                                                             | MATERIAL                                            | WEIGHT                                                                                | SCALE | REV |
| FOR INFORMATION ONLYNOT FOR<br>MANUFACTURING PURPOSES |      |                                                                                       | UV FUSED SILICA                                     | 0.024kg                                                                               | 1:1   | A   |