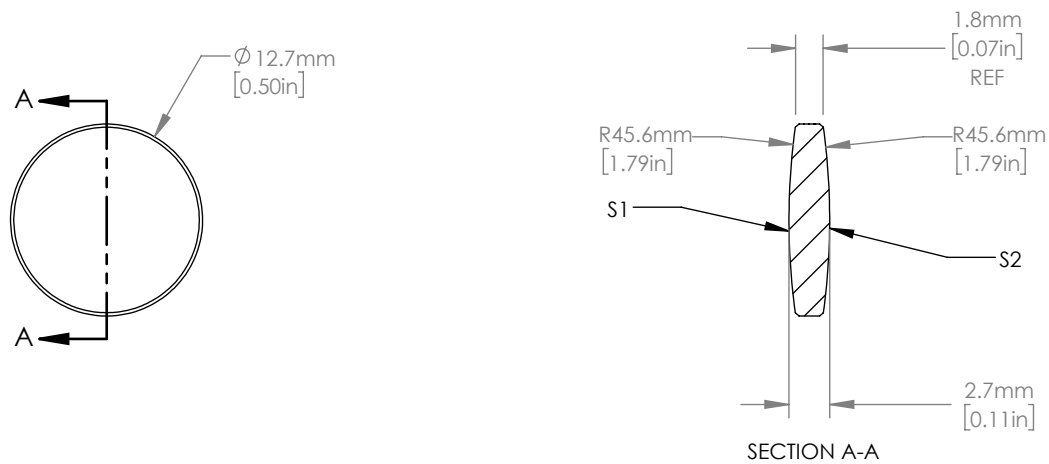




#### NOTES/SPECIFICATIONS:

- DESIGN WAVELENGTH: 587.6 nm
- FOCAL LENGTH:  $f=50.2\text{ mm} \pm 1\%$
- BACK FOCAL LENGTH(REF):  $bf=49.2\text{ mm}$
- CLEAR APERTURE:  $> \phi 11.43\text{ mm}$
- 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 nm
- SPHERICAL SURFACE POWER:  $\leq 3\lambda/2$ , @633 nm
- COATING(S1,S2): VAR R<0.25% PER SURFACE FOR 532 nm & 1064 nm,  $0^\circ$  AOI

FOR INFORMATION ONLY  
NOT FOR MANUFACTURING PURPOSES

|                                                       |      |           |                                                                                       |          |                                                                                       |     |  |
|-------------------------------------------------------|------|-----------|---------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------|-----|--|
| DRAWING<br>PROJECTION                                 |      |           |  |          |  |     |  |
|                                                       | NAME | DATE      | F=50.0mm, D12.7 UVFS Bi-Convex Lens, YAG coating                                      |          |                                                                                       |     |  |
| DRAWN                                                 | CWD  | 2022/5/18 | EX4127-50-YAG                                                                         |          |                                                                                       |     |  |
| APPROVAL                                              | ZSE  | 2022/5/18 | MATERIAL                                                                              | WEIGHT   | SCALE                                                                                 | REV |  |
| FOR INFORMATION ONLYNOT FOR<br>MANUFACTURING PURPOSES |      |           | UV FUSED SILICA                                                                       | 0.0006kg | 5:1                                                                                   | A   |  |