



#### NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 588nm
2. FOCAL LENGTH:  $f=50.0\text{mm} \pm 1\%$
3. BACK FOCAL LENGTH (REF):  $bf=49.1\text{mm}$
4. CLEAR APERTURE:  $> \text{Ø } 11.43\text{mm}$
5. SURFACE QUALITY: 40-20 SCRATCH-DIG
6. CENTRATION:  $\leq 3\text{arcmin}$
7. DIAMETER TOLERANCE:  $+0.00/-0.10\text{mm}$
8. THICKNESS TOLERANCE:  $\pm 0.1\text{mm}$
9. COATING: BBAR 245-400nm,  $R_{\text{avg}} < 0.5\%$  0° AOI ON OUTER OPTICAL SURFACES

FOR INFORMATION ONLY  
NOT FOR MANUFACTURING PURPOSES

|   |      |   |   |          |       |     |
|---|------|---|---|----------|-------|-----|
| DRAWING<br>PROJECTION                                 |      |  |  |          |       |     |
|   | NAME | DATE  | D12.7 F=50.0 UV Coat Fused Silica Bi-Convex Lens                                      |          |       |     |
| DRAWN   | CWD  | 2022/5/18   | EX4127-50-UV  |          |       |     |
| APPROVAL  | ZSB  | 2022/5/18   | MATERIAL  | WEIGHT   | SCALE | REV |
| FOR INFORMATION ONLYNOT FOR<br>MANUFACTURING PURPOSES |      |   | UV GRADE FUSED<br>SILICA  | 0.0001kg |       | A   |