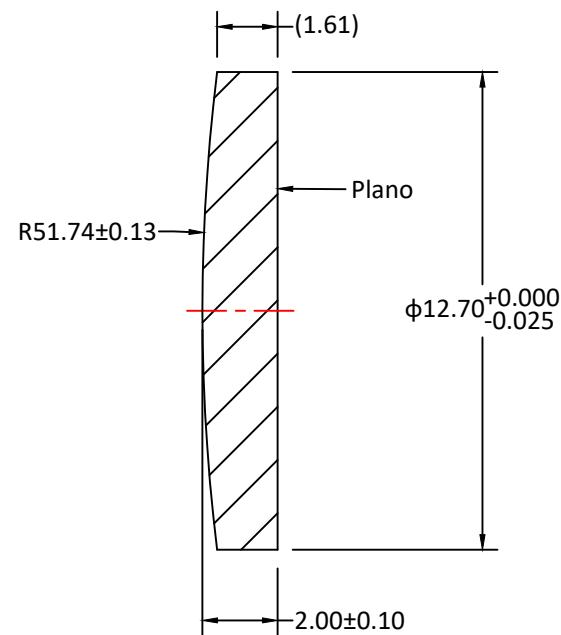
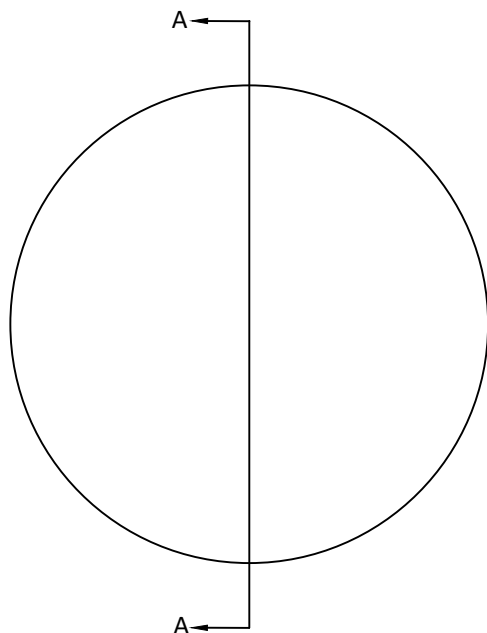


| RADIUS   | R TOL | POWER | IRRG | CA  | DIA   | DIA TOL   | MATERIAL | INDEX  | CT   | CT TOL |
|----------|-------|-------|------|-----|-------|-----------|----------|--------|------|--------|
| 51.74 CX | ±0.13 | 3     | 0.5  | 90% | 12.70 | +0/-0.025 | H-K9L    | 517642 | 2.00 | ±0.10  |
| Plano    | -     | 3     | 0.5  | 90% |       |           |          |        |      |        |



SECTION A-A

Notes:

1. ALL DIMENSIONS IN MM
2. TOLERANCE UNLESS SPECIFIED  $\pm 0.10$
3. MATERIAL: OPTICAL GLASS H-K9L
4. MANUFACTURE PER MIL-PRF-13830
5. POLISH TO TESTPLATE WITHIN POWER AND IRREGULARITY INDICATED (FRINGES)
6. FOCAL LENGTH(EFL):  $100.00 \pm 1\%$
7. SURFACE QUALITY : 40-20 SCRATCH-DIG
8. CHAMFER EDGES:  $0.5 \times 45^\circ$  MAX UNLESS SPECIFIED
9. CENTRATION TOLERANCE: 1.0' MINUTES MAX
10. COATING: S1 & S2:  $\frac{1}{4}$  WAVE MgF2 @ 550nm R(AVG) < 1.75% FROM 400-700nm H-K9L

|                                                                                                                                                         |             |            |          |                                                                                       |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|----------|---------------------------------------------------------------------------------------|----------------|
| UNLESS OTHERWISE SPECIFIED:                                                                                                                             |             | NAME       | DATE     |  |                |
| DIMENSIONS ARE IN mm<br>TOLERANCES:<br>FRACTIONAL $\pm$<br>ANGULAR: $\pm 3$ ARC MIN<br>TWO PLACE DECIMAL: $\pm 0.10$<br>THREE PLACE DECIMAL: $\pm 0.05$ | DRAWN       | Sally Song | 10.2.24  |                                                                                       |                |
|                                                                                                                                                         | CHECK       |            |          |                                                                                       |                |
|                                                                                                                                                         | ENG APPR.   |            |          |                                                                                       |                |
|                                                                                                                                                         | MFG APPR.   |            |          |                                                                                       |                |
| INTERPRET GEOMETRIC TOLERANCING PER:                                                                                                                    | QA          | Ann Chen   | 12.17.24 | TITLE:<br>DIAMETER 12.70MM, EFL 100.00MM, H-K9L, MgF2 COATED, PLANO-CONVEX LENS       |                |
| MATERIAL H-K9L                                                                                                                                          | COMMENTS    |            |          | SIZE                                                                                  | DWG.NO.        |
| FINISH                                                                                                                                                  |             |            |          | <b>A</b>                                                                              | L-PX002010012Z |
| DO NOT SCALE DRAWING                                                                                                                                    | PROJECT NO. |            |          | SCALE:                                                                                | WEIGHT:        |
|                                                                                                                                                         |             |            |          |                                                                                       | SHEET 1 OF 1   |

SIZE  
**A**

DWG.NO.

L-PX002010012Z

REV  
**0**