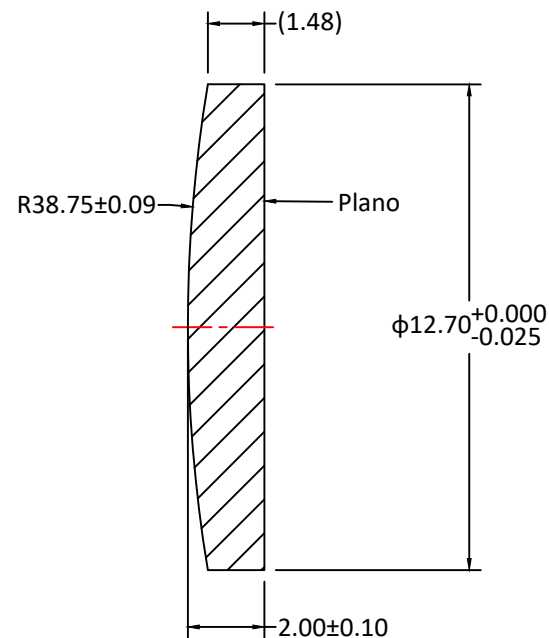
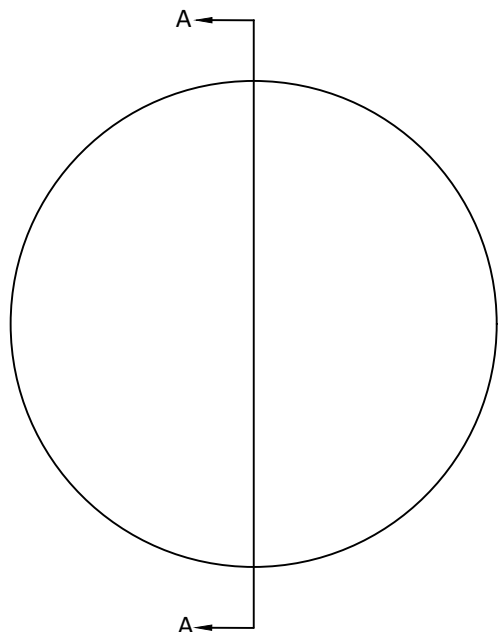


| RADIUS   | R TOL | POWER | IRRG | CA  | DIA   | DIA TOL   | MATERIAL | INDEX  | CT   | CT TOL |
|----------|-------|-------|------|-----|-------|-----------|----------|--------|------|--------|
| 38.75 CX | ±0.09 | 3     | 0.5  | 90% | 12.70 | +0/-0.025 | H-K9L    | 517642 | 2.00 | ±0.10  |
| Plano    | -     | 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): 75.00  $\pm 1\%$
7. SURFACE QUALITY : 40-20 SCRATCH-DIG
8. CHAMFER EDGES: 0.5 $\times$ 45°MAX UNLESS SPECIFIED
9. CENTRATION TOLERANCE: 1.0' MINUTES MAX
10. COATING: S1 & S2: Ravg<0.5% @1050-1700nm @ 0°AOI

|                                                                                                                                      |             |           |            |          |                                                                                       |              |
|--------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|------------|----------|---------------------------------------------------------------------------------------|--------------|
|                                                                                                                                      |             |           |            |          |                                                                                       |              |
| UNLESS OTHERWISE SPECIFIED:                                                                                                          |             |           | NAME       | DATE     |  |              |
| DIMENSIONS ARE IN mm<br>TOLERANCES:<br>FRACTIONAL ±<br>ANGULAR: ±3 ARC MIN<br>TWO PLACE DECIMAL: ±0.10<br>THREE PLACE DECIMAL: ±0.05 |             | DRAWN     | Sally Song | 10.18.24 | TITLE:<br>DIAMETER 12.70MM, EFL 75.00MM, H-K9L, NIR 2 COATED,<br>PLANO-CONVEX LENS    |              |
|                                                                                                                                      |             | CHECK     |            |          |                                                                                       |              |
|                                                                                                                                      |             | ENG APPR. |            |          |                                                                                       |              |
|                                                                                                                                      |             | MFG APPR. |            |          |                                                                                       |              |
| INTERPRET GEOMETRIC<br>TOLERANCING PER:                                                                                              | QA          | Ann Chen  | 12.17.24   |          |                                                                                       |              |
| MATERIAL<br>H-K9L                                                                                                                    | COMMENTS    |           |            | SIZE     | DWG.NO.                                                                               | REV          |
| FINISH                                                                                                                               |             |           |            | A        | L-PX006007512Z                                                                        | 0            |
| DO NOT SCALE DRAWING                                                                                                                 | PROJECT NO. | SCALE:    |            | WEIGHT:  |                                                                                       | SHEET 1 OF 1 |