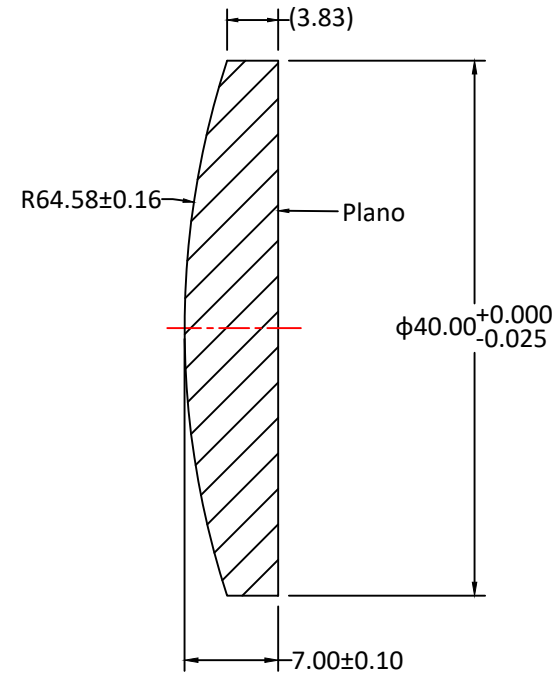
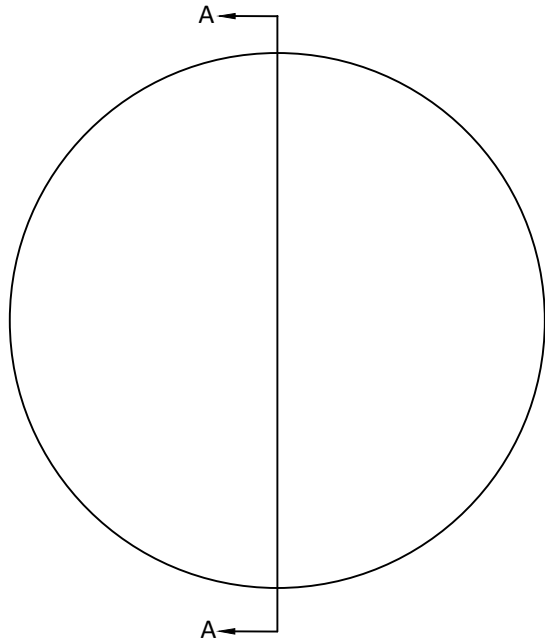


| RADIUS | R TOL | POWER | IRRG | CA |
|----------|-------|-------|------|-----|
| 64.58 CX | ±0.16 | 3 | 0.5 | 90% |
| Plano | - | 3 | 0.5 | 90% |


| DIA | DIA TOL | MATERIAL | INDEX | CT | CT TOL |
|-------|-----------|----------|--------|------|--------|
| 40.00 | +0/-0.025 | H-K9L | 517642 | 5.00 | ±0.10 |



SECTION A-A

Notes:

1. ALL DIMENSIONS IN MM
2. TOLERANCE UNLESS SPECIFIED ± 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): 125.00±1%
7. SURFACE QUALITY : 40-20 SCRATCH-DIG
8. CHAMFER EDGES: 0.5×45°MAX UNLESS SPECIFIED
9. CENTRATION TOLERANCE: 1.0' MINUTES MAX
10. COATING: S1 & S2: ¼ WAVE MgF2 @ 550nm R(AVG) < 1.75% FROM 400-700nm H-K9L

| | | | | | | |
|--|-------------|------------|---------|---|-----------------------|----------|
| UNLESS OTHERWISE SPECIFIED: | | NAME | DATE |  <p>TITLE: DIAMETER 40.00MM, EFL 125.00MM, H-K9L, MgF2 COATED, PLANO-CONVEX LENS</p> | | |
| DIMENSIONS ARE IN mm TOLERANCES: FRACTIONAL ± ANGULAR: ±3 ARC MIN TWO PLACE DECIMAL: ±0.10 THREE PLACE DECIMAL: ±0.05 | DRAWN | Sally Song | 9.14.24 | | | |
| | CHECK | | | | | |
| | ENG APPR. | | | | | |
| INTERPRET GEOMETRIC TOLERANCING PER: | MFG APPR. | | | QA | Ann Chen | 12.18.24 |
| MATERIAL H-K9L | COMMENTS | | | SIZE | DWG.NO. | REV |
| FINISH | | | | A | L-PX0020125040 | 0 |
| DO NOT SCALE DRAWING | PROJECT NO. | SCALE: | WEIGHT: | SHEET 1 OF 1 | | |