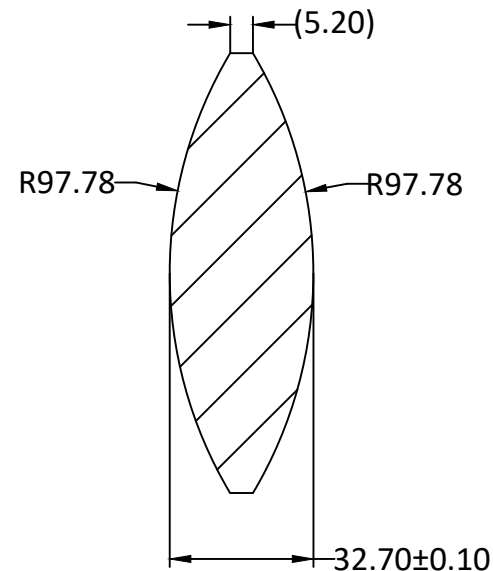
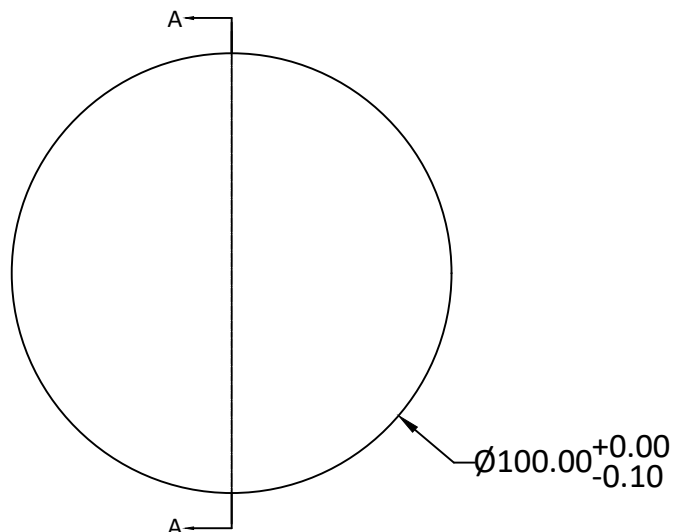


| RADIUS   | R TOL | POWER | IRRG | CA  | DIA    | DIA TOL  | MATERIAL | INDEX  | CT    | CT TOL |
|----------|-------|-------|------|-----|--------|----------|----------|--------|-------|--------|
| 97.78 CX | ±0.50 | 3     | 1    | 95% | 100.00 | +0/-0.10 | H-K9L    | 517642 | 32.70 | ±0.10  |
| 97.78 CX | ±0.50 | 3     | 1    | 95% |        |          |          |        |       |        |



SECTION A-A

Notes:

1. ALL DIMENSIONS IN MM
2. TOLERANCE UNLESS SPECIFIED  $\pm 0.10$
3. MATERIAL: GRADE B, FA PER MIL-G-174, CDGM OR EQUIVALENT, ROHS COMPLIANT
4. MANUFACTURE PER MIL-PRF-13830
5. POLISH TO TESTPLATE WITHIN POWER AND IRREGULARITY INDICATED (FRINGES)
6. FOCAL LENGTH(EFL): 100mm $\pm 2\%$
7. SURFACE QUALITY : 60-40 SCRATCH-DIG
8. CHAMFER EDGES: 0.5 $\times$ 45°MAX UNLESS SPECIFIED
9. CENTRATION TOLERANCE:3.0' MINUTES MAX
10. COATING:S1 & S2: ¼ WAVE MgF2 @ 550nm R(AVG) < 1.75% FROM 400-700nm H-K9L

|                                                                                                                                      |  |             |            |          |                                                                                                                                             |                                  |                 |
|--------------------------------------------------------------------------------------------------------------------------------------|--|-------------|------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------|
|                                                                                                                                      |  |             |            |          |                                                                                                                                             |                                  |                 |
| UNLESS OTHERWISE SPECIFIED:                                                                                                          |  |             | NAME       | DATE     | <div> <b>OPTICAL</b><br/>MANUFACTURER FROM CHINA</div> |                                  |                 |
| 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 | 03.26.25 |                                                                                                                                             |                                  |                 |
|                                                                                                                                      |  | CHECK       |            |          |                                                                                                                                             |                                  |                 |
|                                                                                                                                      |  | ENG APPR.   |            |          |                                                                                                                                             |                                  |                 |
|                                                                                                                                      |  | MFG APPR.   |            |          |                                                                                                                                             |                                  |                 |
| INTERPRET GEOMETRIC TOLERANCING PER:                                                                                                 |  | QA          | Ann Chen   | 01.18.25 | TITLE:<br><br>DIAMETER 100MM, EFL 100MM, H-K9L BICONVEX LENS                                                                                |                                  |                 |
| MATERIAL<br>H-K9L                                                                                                                    |  | COMMENTS    |            |          |                                                                                                                                             |                                  |                 |
| FINISH                                                                                                                               |  |             |            |          |                                                                                                                                             |                                  |                 |
| DO NOT SCALE DRAWING                                                                                                                 |  | PROJECT NO. |            |          | SIZE<br><b>A</b>                                                                                                                            | DWG.NO.<br><b>L-DX0020100100</b> | REV<br><b>0</b> |
|                                                                                                                                      |  |             |            |          | SCALE:                                                                                                                                      | WEIGHT:                          | SHEET 1 OF 1    |