



NOTES:

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 245-400 nm
3. DIAMETER TOLERANCE: +0.0/-0.1 mm
4. THKKNES TOLERANCE: ±0.1 mm
5. FOCAL LENGTH:  $f=200.0 \text{ mm} \pm 1\%$
6. BACK FOCAL LENGTH(REF):  $bf=196.2 \text{ mm}$
7. CLEAR APERTURE:  $>90\%CA$
8. SURFACE QUALITY(S/D)(S1,S2): 40/20
9. SURFACE FLATNESS(S1):  $\lambda/2 @ 632.8 \text{ nm}$
10. SURFACE POWER(S2):  $3\lambda/2 @ 632.8 \text{ nm}$
11. SURFACE RREGULARITY(S2):  $\lambda/4 @ 632.8 \text{ nm}$
12. CENTRATION:  $<3 \text{ arcmin}$
13. CHAMFER:  $<0.2\text{mm}, 45^\circ$
14. AR COATING(S1,S2):  $R_{avg} < 0.5\% @ 245-400 \text{ nm}$  (6° AOI, single)

|  |      |              |                   |         |       |     |
|--|------|--------------|-------------------|---------|-------|-----|
| DRAWING PROJECTION                                     |      |              | <b>LBTEK</b>      |         |       |     |
|  | NAME | DATE         |                   |         |       |     |
| DRAWN  | AGAO | MAY./26th/25 | PLANO CONVEX LENS |         |       |     |
| APPROVAL   | SHAN | MAY./26th/25 | MATERIAL          | WEIGHT  | SCALE | REV |
| FOR INFORMATION ONLY<br>NOT FOR MANUFACTURING PURPOSES |      |              | UVFS              | 21.38 g | 2:1   | A   |