



NOTE:

1. COMPONENT MATERIAL: LCP/N-BK7
2. ELEMENT DIAMETER:  $\phi 25.4 +0/-0.1\text{ mm}$
3. ELEMENT THICKNESS:  $3.2 \pm 0.1\text{ mm}$
4. TRIMMING WIDTH:  $0.7 \pm 0.05\text{ mm}$
5. OPTICAL APERTURE:  $\phi 21.5\text{ mm}$
6. WORKING WAVELENGTH:  $405\text{ nm}$
7. RETARDANCE:  $\lambda/2 \pm \lambda/100$
8. SURFACE QUALITY (S/D) : 40/20
9. TRANSMITTANCE:  $>85\%$
10. AR COATING (S1, S2) :  $R_{\text{avg}} < 0.5\% @ 400-700\text{ nm}$
11. THE FAST AXIS IS PARALLEL TO THE TRIMMING DIRECTION

|  |        |              |                 |          |       |     |
|--|--------|--------------|-----------------|----------|-------|-----|
| DRAWING PROJECTION                                     |        |              | <b>LBTEK</b>    |          |       |     |
|  | NAME   | DATE         | HWP25-405A      |          |       |     |
| DRAWN  | SHAN   | JUL./16th/24 | Half Wave Plate |          |       |     |
| APPROVAL   | WCHENG | JUL./16th/24 | MATERIAL        | WEIGHT   | SCALE | REV |
| FOR INFORMATION ONLY<br>NOT FOR MANUFACTURING PURPOSES |        |              | LCP/N-BK7       | 0.004 Kg | 2:1   | B   |