



| NUMBER | PART DESCRIPTION | MATERIAL |
|--------|------------------|----------|
| ①      | WAVEPLATE        | QUARTZ   |
| ②      | GASKET           | GASKET   |
| ③      | WAVEPLATE        | QUARTZ   |

NOTES

1. DESIGN WAVELENGTH: 532 nm
2. CLEAR APERTURE:  $\varnothing 20$  mm
3. DELAY:  $\lambda / 2$
4. DELAY TOLERANCE:  $\pm \lambda / 300$
5. WAVEFRONT ERROR(RMS):  $\lambda / 8$  @632.8 nm
6. AR COATING: V coating @532 nm,  
(S1, S2, S3, S4):  $R_{avg} < 0.25\%$  (6° AOI, SINGLE SURFACE)
7. CHAMFER: 45° ,  $< 0.2$ mm
8. SURFACE QUALITY(S1, S2, S3, S4): 20/10(S/D)
9. PARALLELISM(S1, S2, S3, S4):  $< 10$  arcsec

|  |        |             |  |        |       |     |
|--|--------|-------------|--|--------|-------|-----|
| DRAWING PROJECTION                                     |        |             | <b>LBTEK</b>   |        |       |     |
|  | NAME   | DATE        |  |        |       |     |
| DRAWN  | LZHOU  | JUL./5th/24 | QUARTZ ZERO-ORDER WAVEPLATE<br>$\varnothing 25.4$ mm, 20 mm CA, $\lambda / 2 @ 532$ nm |        |       |     |
| APPROVAL   | WCHENG | JUL./5th/24 | MATERIAL   | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLY<br>NOT FOR MANUFACTURING PURPOSES |        |             | QUARTZ   | 4.0 g  | 2:1   | B   |