



NOTES

1. DESIGN WAVELENGTH: 740 nm
2. CLEAR APERTURE: >90% CA
3. DELAY: $m\lambda + \lambda/2$
4. DELAY TOLERANCE: $\pm \lambda/100$
5. WAVEFRONT ERROR(RMS): $\lambda/8$ @632.8 nm
6. AR COATING(S1,S2): V coating @740 nm
 $R_{avg} < 0.25\%$ (6° AOI, SINGLE SURFACE)
7. CHAMFER: 45° , <0.2 mm
8. SURFACE QUALITY(S1,S2): 20/10(S/D)
9. PARALLELISM(S1,S2): <3 arcsec
10. THE FAST AXIS IS PARALLEL TO THE CUT EDGE

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|--|--------|--------------|---|--------|-------|-----|
| DRAWING PROJECTION | | | LBTEK | | | |
| | NAME | DATE | | | | |
| DRAWN | LZHOU | JUL./23th/24 | QUARTZ MULTI-ORDER WAVEPLATE $\phi 25.4$ mm, $\lambda/2$ @740 nm | | | |
| APPROVAL | WCHENG | JUL./23th/24 | MATERIAL | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES | | | QUARTZ | 1.3 g | 2:1 | B |