



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

NOTES

1. DESIGN WAVELENGTH: 308 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 @308 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

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|--|--------|-------------|--|--------|-------|-----|
| DRAWING PROJECTION | | | LBTEK | | | |
| | NAME | DATE | | | | |
| DRAWN | LZHOU | JUL./5th/24 | QUARTZ ZERO-ORDER WAVEPLATE $\varnothing 25.4$ mm, 20 mm CA, $\lambda / 2 @ 308$ nm | | | |
| APPROVAL | WCHENG | JUL./5th/24 | MATERIAL | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES | | | QUARTZ | 4.0 g | 2:1 | B |