



NOTES

1. DESIGN WAVELENGTH: 1030 nm
2. CLEAR APERTURE: >90% CA
3. DELAY: $m\lambda + \lambda/2$
4. DELAY TOLERANCE: $\pm \lambda/300$
5. WAVEFRONT ERROR(RMS): $\lambda/10$ @633 nm
6. AR COATING(S1,S2): V coating @1030 nm
 $R_{\text{avg}} < 0.25\%$ (6° AOI, SINGLE SURFACE)
7. CHAMFER: 45° , <math>< 0.2\text{ mm}</math>
8. SURFACE QUALITY(S1,S2): 10/5(S/D)
9. PARALLELISM(S1,S2): <math>< 3\text{ arcsec}</math>
10. THE FAST AXIS IS PARALLEL TO THE CUT EDGE

DRAWING PROJECTION			LBTEK			
	NAME	DATE				
DRAWN	LZHOU	JUL./19th/24	QUARTZ MULTI-ORDER WAVEPLATE $\varnothing 25.4\text{ mm}, \lambda/2@1030\text{ nm}$			
APPROVAL	WCHENG	JUL./19th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			QUARTZ	1.3 g	2:1	B