



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

NOTES

1. DESIGN WAVELENGTH: 800 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 @800 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 $\varnothing 25.4$ mm, 20 mm CA, $\lambda / 2 @ 800$ nm			
APPROVAL	WCHENG	JUL./5th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			QUARTZ	4.0 g	2:1	B