



SECTION A-A

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

NOTES

1. DESIGN WAVELENGTH: 422 nm
2. CLEAR APERTURE:  $\varnothing 10$  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 @422 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./8th/24	QUARTZ ZERO-ORDER WAVEPLATE $\varnothing 25.4$ mm, 10 mm CA, $\lambda / 2 @ 422$ nm			
APPROVAL	WCHENG	JUL./8th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			QUARTZ	5.8 g	2:1	B