



SECTION A-A

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

NOTES

1. DESIGN WAVELENGTH: 850 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 @850 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			LBTEK			
	NAME	DATE	HWP10-850B			
DRAWN	LZHOU	JUL./8th/24	QUARTZ ZERO-ORDER WAVEPLATE $\varnothing 25.4$ mm, 10 mm CA, $\lambda / 2 @ 850$ nm			
APPROVAL	WCHENG	JUL./8th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			QUARTZ	5.8 g	2:1	B