



SCALE 4: 1

NOTES

1. MATERIAL: N-BK7
2. CLEAR APERTURE: >70%CA
3. AR COATING(S1,S2,S3,S4): $R_{avg} < 0.5\%$ @400 nm-700 nm(6° AOI, SINGLE SURFACE)
4. ANGLE TOLERANCE: $\pm 5'$
5. COATING(S5): SPLITTING COATING
 $T_{abs} = (27 \pm 10)\%$, $R_{abs} = (60 + 10 / -20)\%$, $T_{abs} + R_{abs} > 70\%$ 400-550nm,
 $T_{abs} = (27 \pm 10)\%$, $R_{abs} = (67 + 5 / -15)\%$, $T_{abs} + R_{abs} > 85\%$ 550-700nm,
 $|T_s - T_p| < 10\%$, $|R_s - R_p| < 10\%$;
6. GLUED(S5,S6): NOA61
7. SPLIT RATIO(R:T): 70:30
8. TRANSMITTED BEAM DEVIATION: $0^\circ \pm 5$ arcmin
9. REFLECTED BEAM DEVIATION: $90^\circ \pm 5$ arcmin
10. SURFACE QUALITY(S1,S2,S3,S4): 40/20(S/D)
11. WAVEFRONT ERROR(RMS): $\lambda/4 @ 633$ nm
12. SURFACE FLATNESS(S1,S2,S3,S4): $\lambda/6 @ 633$ nm
13. OTHER SURFACES: FINE GROUND
14. CHAMFER: 0.2 mm, 45°

DRAWING PROJECTION			LBTEK			
NAME	DATE					
DRAWN	LZHOU	Aug./12th/24	BEAM SPLITTER L=5.0 mm, R:T=70:30@400 nm-700 nm			
APPROVAL	WCHENG	Aug./12th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BK7	0.3 g	8:1	A