



SCALE 2: 1

NOTES

1. CLEAR APERTURE: >80%CA
2. AR COATING(S1,S2,S3,S4): RAVG<0.5% @700 nm-1100 nm(6° AOI,SINGLE SURFACE)
3. DIAMETER TOLERANCE: +0.0/-0.2 mm
4. ANGLE TOLERANCE: ±1'
5. COATING(S5):
 $T_{abs}=(47 \pm 10)\%$, $R_{abs}=(47 \pm 10)\%$, $T_{abs}+R_{abs}>85\%$
 $|T_s-T_p| < 10\%$, $|R_s-R_p| < 10\%$
6. GLUED(S5,S6): NOA61
7. SPLIT RATIO(R:T): 50:50
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): $\lambda/10@633$ nm
13. OTHER SURFACES: FINE GROUND
14. CHAMFER: 0.2 mm, 45°

DRAWING PROJECTION			LBTEK			
NAME	DATE					
			BS1255-B			
DRAWN	LZHOU	Aug./12th/24	BEAM SPLITTER L=12.7 mm,R:T=50:50@700 nm-1100 nm			
APPROVAL	WCHENG	Aug./12th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BK7	5.1 g	3:1	A