



SCALE 4: 1

NOTES

1. CLEAR APERTURE: >70%CA
2. AR. COATING(S1,S2,S3,S4):  $R_{avg} < 0.5\%$  @1100 nm–1600 nm(6° AOI, SINGLE SURFACE)
3. ANGLE TOLERANCE:  $\pm 5'$
4. COATING(S5): SPLITTING COATING  
 $T_{abs} = (27 \pm 10)\%$ ,  $R_{abs} = (67 + 5 / -15)\%$ ;  
 $|T_s - T_p| < 10\%$ ,  $|R_s - R_p| < 10\%$ ;  $T_{abs} + R_{abs} > 85\%$ ;
5. GLUED(S5,S6): NOA61
6. SPLIT RATIO(R:T): 70:30
7. TRANSMITTED BEAM DEVIATION:  $0^\circ \pm 5$  arcmin
8. REFLECTED BEAM DEVIATION:  $90^\circ \pm 5$  arcmin
9. SURFACE QUALITY(S1,S2,S3,S4): 40/20(S/D)
10. WAVEFRONT ERROR(RMS):  $\lambda/4 @ 633$  nm
11. SURFACE FLATNESS(S1,S2,S3,S4):  $\lambda/6 @ 633$  nm
12. OTHER SURFACES: FINE GROUND
13. CHAMFER: 0.2 mm, 45°

DRAWING PROJECTION			<b>LBTEK</b>			
NAME	DATE	BS1073-C				
DRAWN	LZHOU	Aug./12th/24	BEAM SPLITTER L=5.0 mm,R:T=70:30@1100 nm–1600 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