



SCALE 2: 1

NOTES

1. MATERIAL: N-BK7
2. CLEAR APERTURE: >80%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  
 $T_{abs} = (7 + 10/-5) \%$ ,  $R_{abs} = (87 \pm 10) \%$ ;  $|T_s - T_p| < 10\%$   
 $|R_s - R_p| < 10\%$ ;  $T_{abs} + R_{abs} > 85\%$ , AOI=0°
6. GLUED(S5, S6): NOA61
7. SPLIT RATIO(R:T): 90:10
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):  $\lambda/4$ @633 nm
13. OTHER SURFACES: FINE GROUND
14. CHAMFER: 0.2 mm, 45°

DRAWING PROJECTION			<b>LBTEK</b>			
	NAME	DATE				
DRAWN	LTAN	Oct./10th/24	BEAM SPLITTER L=12.7 mm, R:T=90:10@400 nm-700 nm			
APPROVAL	WCHENG	Oct./10th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BK7	5.1 g	3:1	A