



SCALE 2: 1

NOTES

- CLEAR APERTURE: >80%CA
- AR COATING(S1,S2,S3,S4): RAVG<0.5% @1100 nm-1650 nm(6° AOI,SINGLE SURFACE)
- DIAMETER TOLERANCE: +0.0/-0.2 mm
- ANGLE TOLERANCE: ±1'
- COATING(S5):  
 $T_{abs}=(47 \pm 10)\%$ ,  $R_{abs}=(47 \pm 10)\%$ ,  $T_{abs}+R_{abs}>85\%$   
 $|T_s-T_p| < 10\%$ ,  $|R_s-R_p| < 10\%$
- GLUED(S5,S6): NOA61
- SPLIT RATIO(R:T): 50:50
- TRANSMITTED BEAM DEVIATION:  $0^\circ \pm 5$  arcmin
- REFLECTED BEAM DEVIATION:  $90^\circ \pm 5$  arcmin
- SURFACE QUALITY(S1,S2,S3,S4): 40/20(S/D)
- WAVEFRONT ERROR(RMS):  $\lambda/4@633$  nm
- SURFACE FLATNESS(S1,S2,S3,S4):  $\lambda/10@633$  nm
- OTHER SURFACES: FINE GROUND
- CHAMFER: 0.2 mm,  $45^\circ$

DRAWING PROJECTION			<b>LBTEK</b>			
NAME	DATE					
			<b>BS1255-C</b>			
DRAWN	LZHOU	Aug./12th/24	BEAM SPLITTER L=12.7 mm,R:T=50:50@1100 nm-1650 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