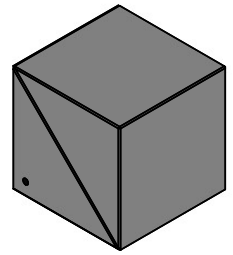
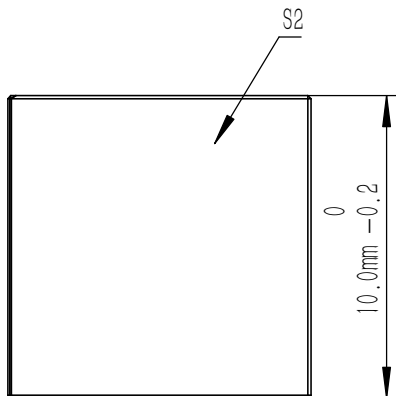
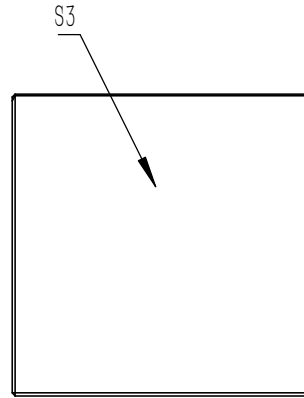


SPLITTING COATING(BEVEL FACE IN THE TRIANGULAR PRISM WITH DOT)



SCALE 2: 1

NOTES

1. CLEAR APERTURE: >80%CA
2. AR COATING(S1,S2,S3,S4):  $R_{avg} < 0.5\%$  @400 nm-700 nm( $0^\circ$  AOI, SINGLE SURFACE)
3. ANGLE TOLERANCE:  $\pm 5'$
4. COATING(S5):  
 $T_{abs} = (27 \pm 10)\%$ ,  $R_{abs} = (60 + 10 / -20)\%$ ,  $T_{abs} + R_{abs} > 70\%$  400-550nm,  
 $T_{abs} = (27 \pm 10)\%$ ,  $R_{abs} = (67 + 5 / -15)\%$ ,  $T_{abs} + R_{abs} > 85\%$  550-700nm,  
 $|T_s - T_p| < 10\%$ ,  $|R_s - R_p| < 10\%$ ;
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,  $45^\circ$

DRAWING PROJECTION			<b>LBTEK</b>			
	NAME	DATE	<b>BS1173-A</b>			
DRAWN	LZHOU	Aug./12th/24	BEAM SPLITTER L=10.0 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	2.5 g	4:1	A