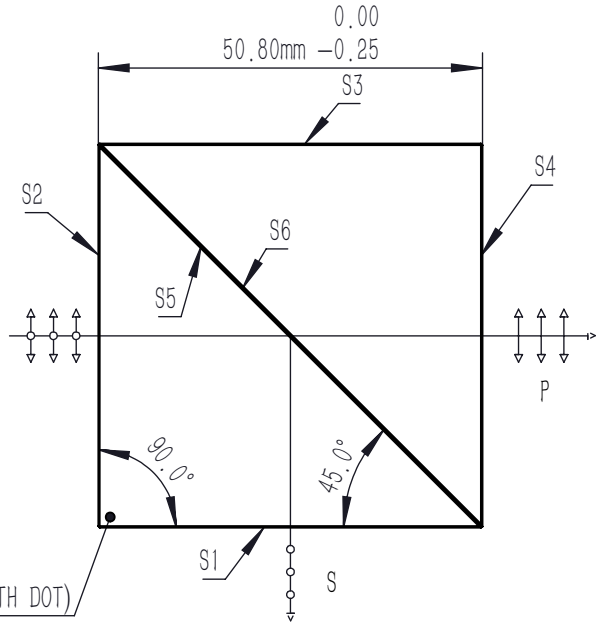
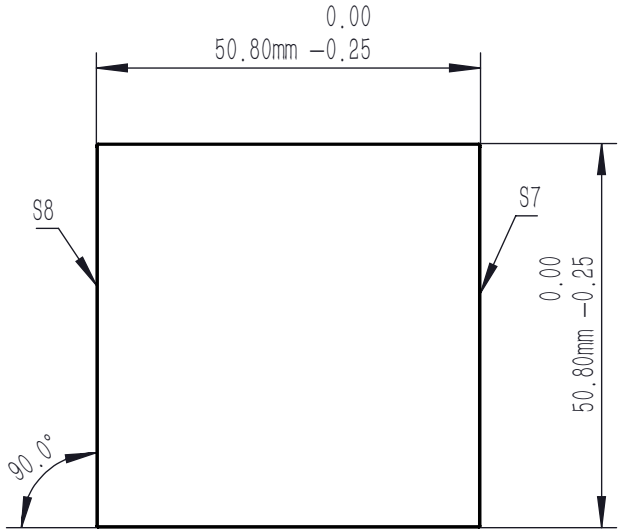
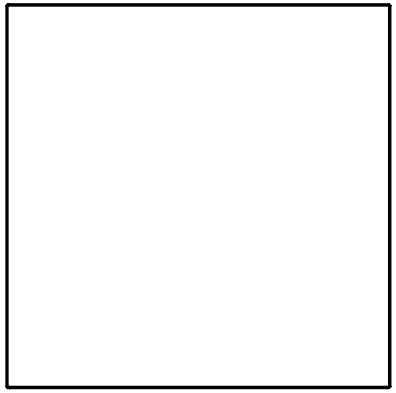
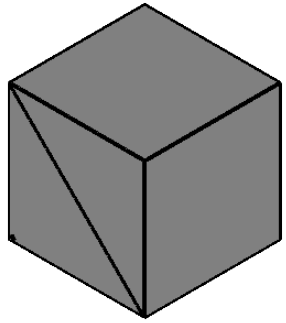




SPLITTING COATING(BEVEL FACE IN THE TRIANGULAR PRISM WITH DOT)





RATIO 1:2

NOTES

1. CLEAR APERTURE: >80%CA
2. AR COATING(S1,S2,S3,S4): Ravg<0.5% @ 420 nm– 680 nm (6° AOI,SINGLE SURFACE)
3. DIAMETER TOLERANCE: +0.0/−0.25 mm
4. ANGLE TOLERANCE: ±2′
5. COATING(S5): Tp,avg>85%@420–680 nm, Rs,avg>95% @ 420–680 nm,AOI=45°
6. GLUED(S5,S6): NOA61
7. EXTINCTION RATIO(Tp:Ts): >1000:1
8. TRANSMITTED BEAM DEVIATION: 0° ± 5 arcmin
9. REFLECTED BEAM DEVIATION: 90° ± 5 arcmin
10. SURFACE QUALITY(S1,S2,S3,S4): 40/20(S/D)
11. TRANSMISSION WAVEFRONT ERROR: λ/2@633 nm
12. SURFACE FLATNESS(S1,S2,S3,S4): λ/4@633 nm
13. OTHER SURFACES: FINE GROUND
14. CHAMFER: <0.5 mm,45°

DRAWING PROJECTION			LBTEK			
	NAME	DATE	PBS651			
DRAWN	LTAN	Aug./31th/25	POLARIZATION BEAM SPLITTER L=50.8 mm,Tp:Ts>1000:1@420 nm–680 nm			
APPROVAL	WCHENG	Aug./31th/25	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-SF1	401.1 g	1:1	C