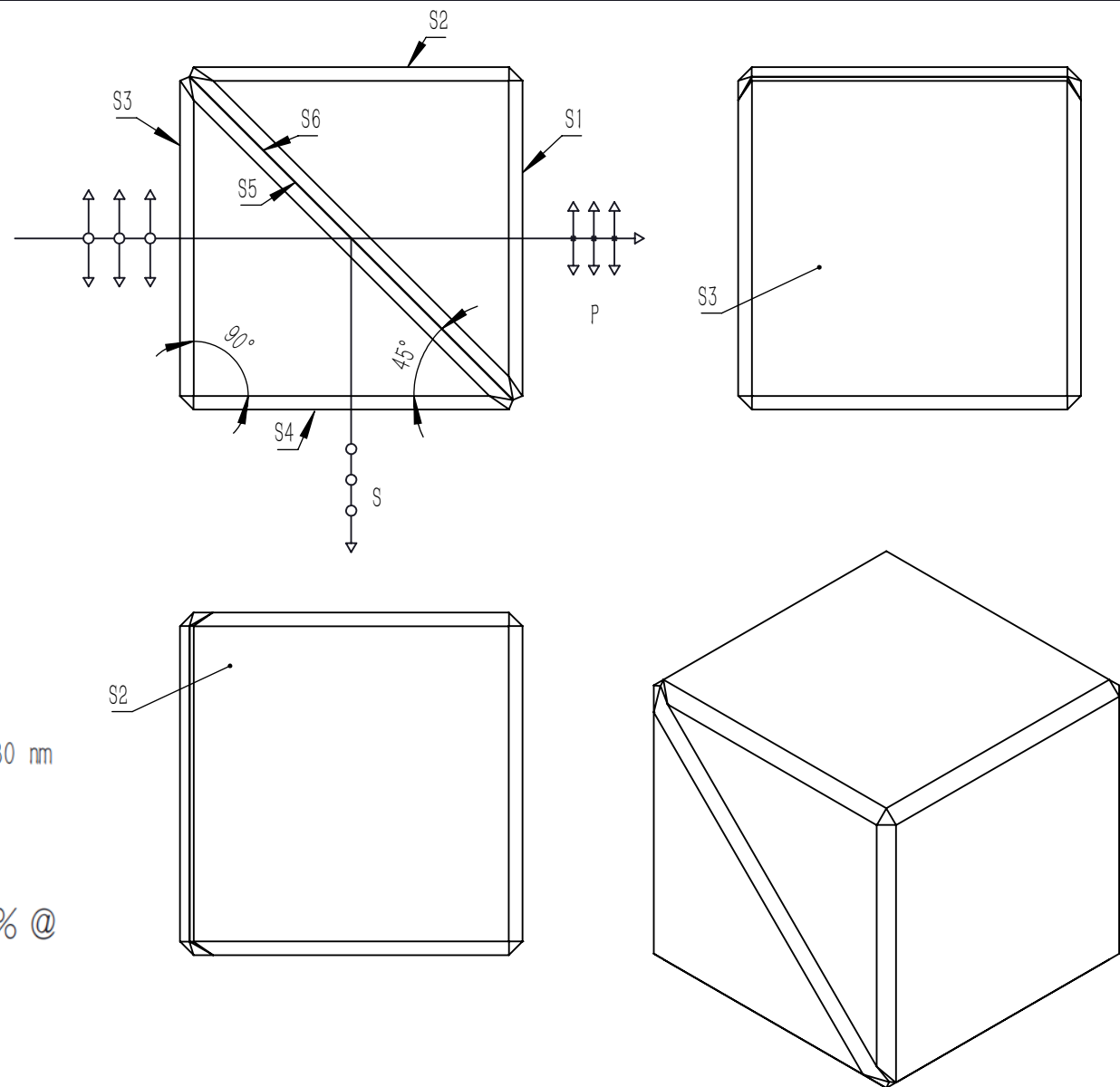
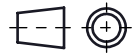




1. CLEAR APERTURE: $>80\%CA$
2. AR COATING(S1,S2,S3,S4): $R_{avg} < 0.5\% @ 420\text{ nm} - 680\text{ nm}$
(6° AOI, SINGLE SURFACE)
3. DIAMETER TOLERANCE: $+0.0/-0.25\text{ mm}$
4. ANGLE TOLERANCE: $\pm 2'$
5. COATING(S5): $T_{p,avg} > 85\% @ 420 - 680\text{ nm}$, $R_{s,avg} > 95\% @ 420 - 680\text{ nm}$, AOI= 45°
6. GLUED(S5,S6): NOA61
7. EXTINCTION RATIO($T_p:T_s$): $>1000:1$
8. TRANSMITTED BEAM DEVIATION: $0^\circ \pm 5\text{ arcmin}$
9. REFLECTED BEAM DEVIATION: $90^\circ \pm 5\text{ arcmin}$
10. SURFACE QUALITY(S1,S2,S3,S4): 40/20(S/D)
11. TRANSMISSION WAVEFRONT ERROR: $\lambda/2 @ 633\text{ nm}$
12. SURFACE FLATNESS(S1,S2,S3,S4): $\lambda/4 @ 633\text{ nm}$
13. OTHER SURFACES: FINE GROUND
14. CHAMFER: $<0.5\text{ mm}, 45^\circ$

DRAWING PROJECTION 			PBS50-A		Zolix			
	NAME	DATE	POLARIZATION BEAM SPLITTER		MATERIAL	WEIGHT	SCALE	REV
DRAWN	NIC	21/October/2025						
APPROVAL	DICK	21/October/2025						
THE DRAWINGS ARE ONLY FOR TYPE SELECTION INFORMATION					FOLLOW THE PARTS	0.000	10:1	
					shop.zolix.com.cn			