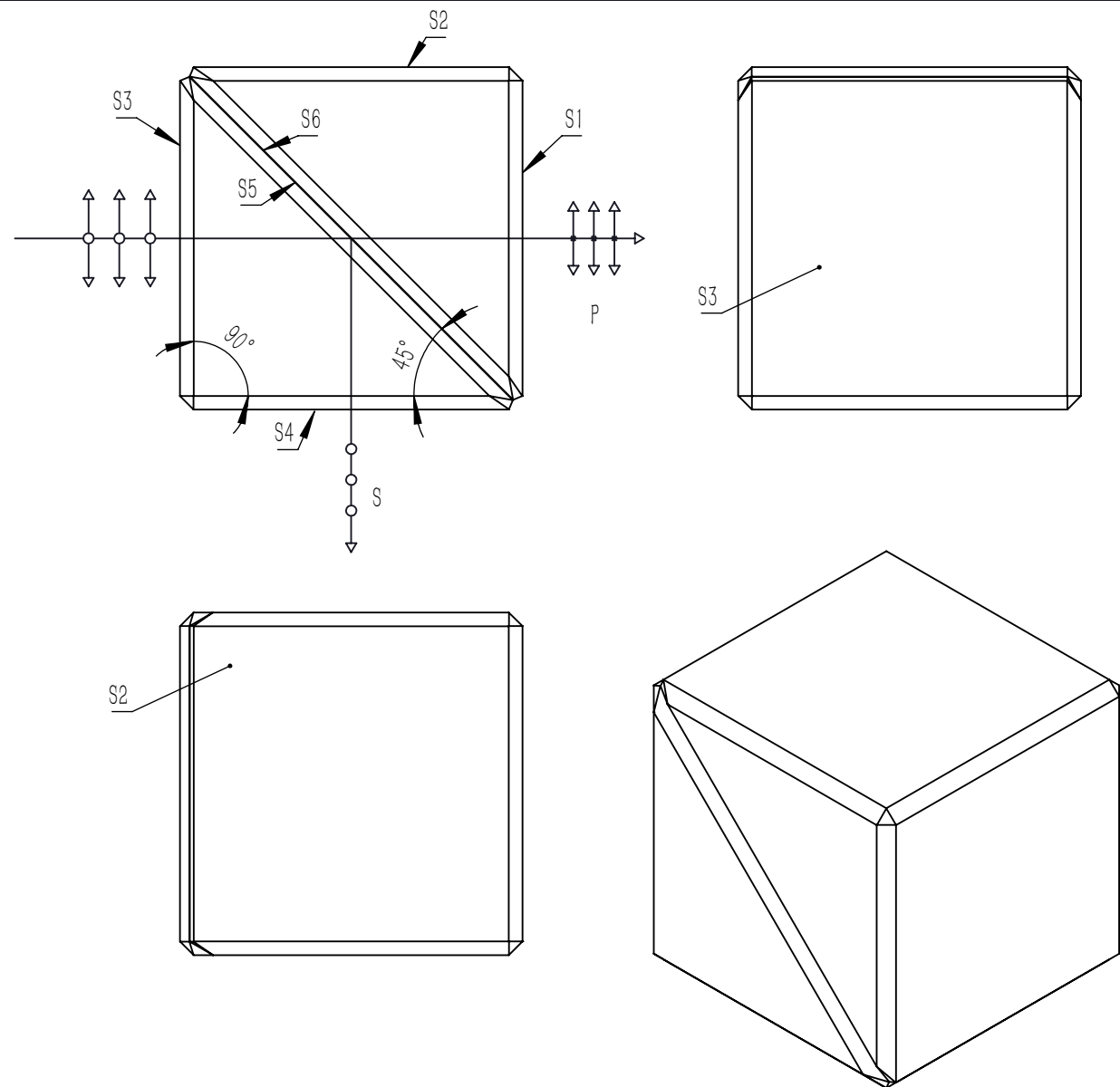




1. CLEAR APERTURE: $>80\%$ WxL
2. DIAMETER TOLERANCE: $+0.0/-0.1$ mm
3. EXTINCTION RATIO($T_p:T_s$): $>3000:1$
4. DESIGN WAVELENGTH: 830 nm
5. TRANSMITTED BEAM DEVIATION: ≤ 5 arcmin
6. REFLECTED BEAM DEVIATION: $\leq 90^\circ \pm 5$ arcmin
7. SURFACE QUALITY(S/D): 20/10
8. WAVEFRONT ERROR(RMS): $< \lambda/4@633$ nm
9. PARALLELISM(S1, S2, S3, S4): ≤ 10 arcsec
10. AR COATING(S1, S2, S3, S4): V Coating @1550 nm, Rabs: $<0.25\%$, 0° AOI
11. S POLARIZATION REFLECTION: $>99.5\%$
12. P POLARIZATION TRANSMISSION: $>95\%$
13. CHAMFER: <0.5 mm $\times 45^\circ$
14. OPERATING TEMPERATURE: $-50^\circ \sim 90^\circ$
15. GLUED(S5, S6): NOA61

DRAWING PROJECTION 			PBS25—830	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				shop.zolix.com.cn				