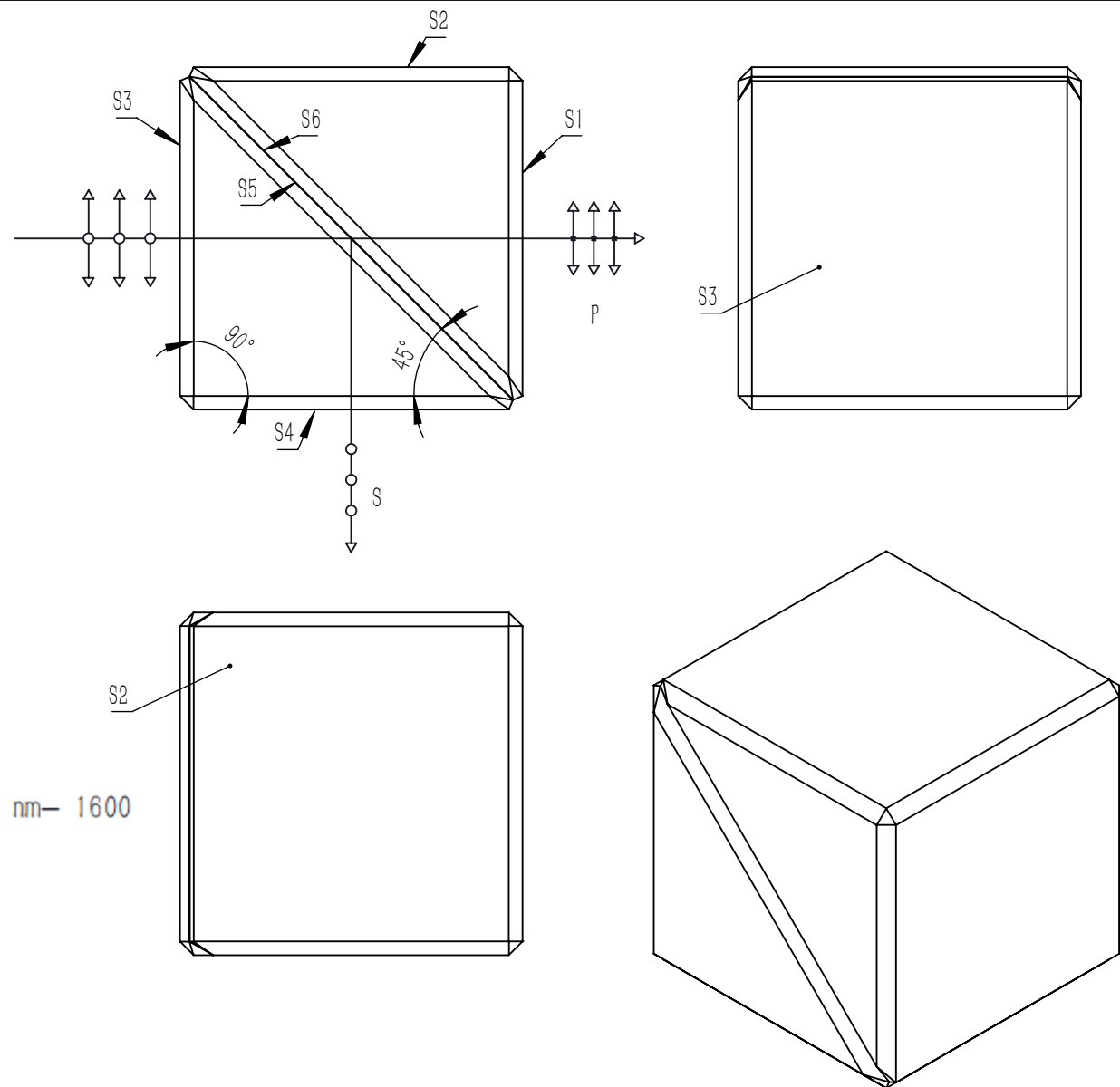
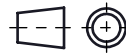




1. CLEAR APERTURE:  $>80\%CA$
2. AR COATING(S1,S2,S3,S4):  $R_{avg} < 0.5\% @ 1200\text{ nm} - 1600\text{ nm}(6^\circ\text{ AOI, SINGLE SURFACE})$
3. DIAMETER TOLERANCE:  $+0.0/-0.25\text{ mm}$
4. ANGLE TOLERANCE:  $\pm 2'$
5. COATING(S5):  $T_{p,avg} > 90\%$ ,  $R_{s,avg} > 95\%$
6. GLUED(S5,S6): NOA61
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-D                    |  | <b>Zolix</b>      |        |       |     |
|                                                                                                          | NAME | DATE            | POLARIZATION BEAM SPLITTER |  | MATERIAL          | WEIGHT | SCALE | REV |
| DRAWN                                                                                                    | NIC  | 21/October/2025 |                            |  |                   |        |       |     |
| APPROVAL                                                                                                 | DICK | 21/October/2025 |                            |  | FOLLOW THE PARTS  | 0.000  | 10:1  |     |
| THE DRAWINGS ARE ONLY FOR TYPE SELECTION INFORMATION                                                     |      |                 |                            |  | shop.zolix.com.cn |        |       |     |