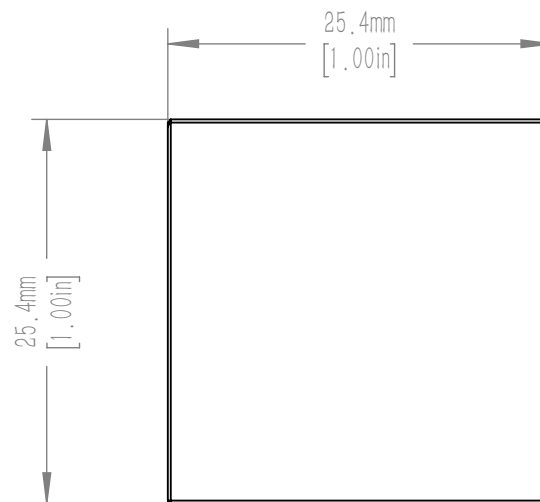
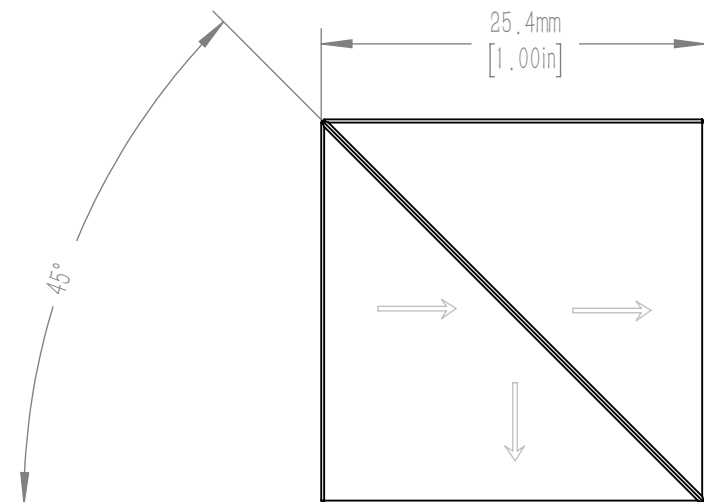
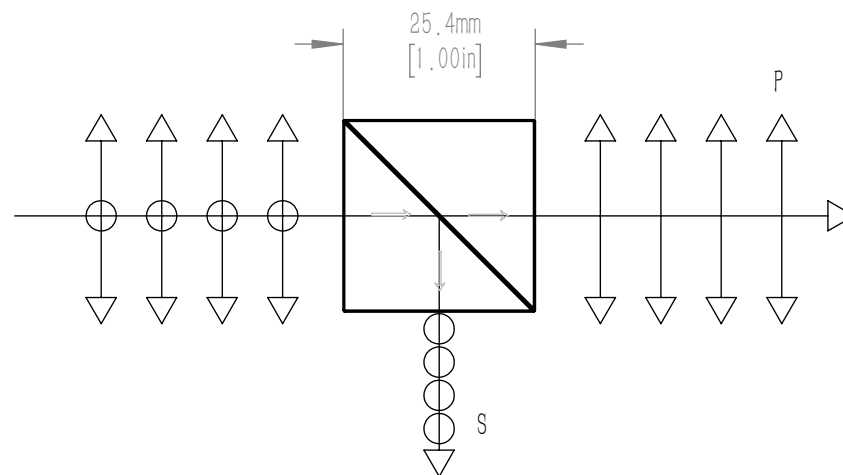




#### Notes/Specifications:

1. Design wavelength: 808nm
2. Clear aperture: >80% of length and width
3. Transmitted wavefront error:  $< \lambda / 4$  @ 633nm
4. Surface flatness:  $< \lambda / 4$  @ 633nm
5. Surface quality (S1-S4): 20-10 scratch-dig
6. Transmitted beam deviation:  $< 5$  arcmin
7. Reflected beam deviation:  $90^\circ \pm 5$  arcmin
8. Extinction ratio:  $T_p/T_s > 3000:1$
9. Transmission efficiency:  $T_p > 95\%$
10. Reflection efficiency:  $R_s > 99.5\%$
11. Coating (S1-S4):  
VAR coating  $R_{abs} < 0.25\%$  @ 808nm,  $0^\circ$  AOI



FOR INFORMATION ONLY  
NOT FOR MANUFACTURING PURPOSES

|                                                    |      |                                                                                       |                                                                                       |        |       |     |
|----------------------------------------------------|------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|-------|-----|
| DRAWING PROJECTION                                 |      |  |  |        |       |     |
|                                                    | NAME | DATE                                                                                  | 25.4mm Polarizing Beamsplitter Cube 808nm                                             |        |       |     |
| DRAWN                                              | CWD  | 2022/5/18                                                                             | PBS254-808                                                                            |        |       |     |
| APPROVAL                                           | ZSE  | 2022/5/18                                                                             | MATERIAL                                                                              | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLYNOT FOR MANUFACTURING PURPOSES |      |                                                                                       | UV FUSED SILICA                                                                       | 0.14kg | 2 : 1 | A   |