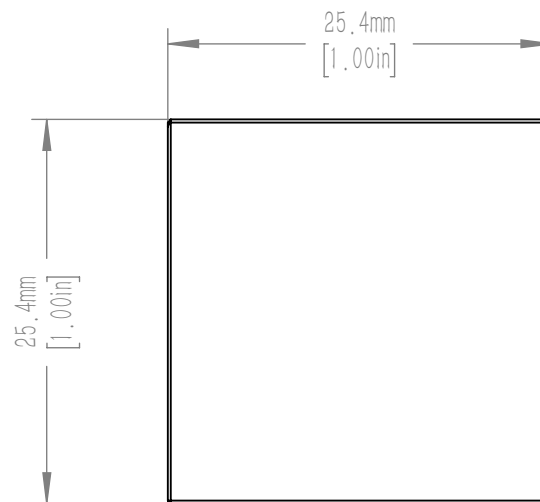
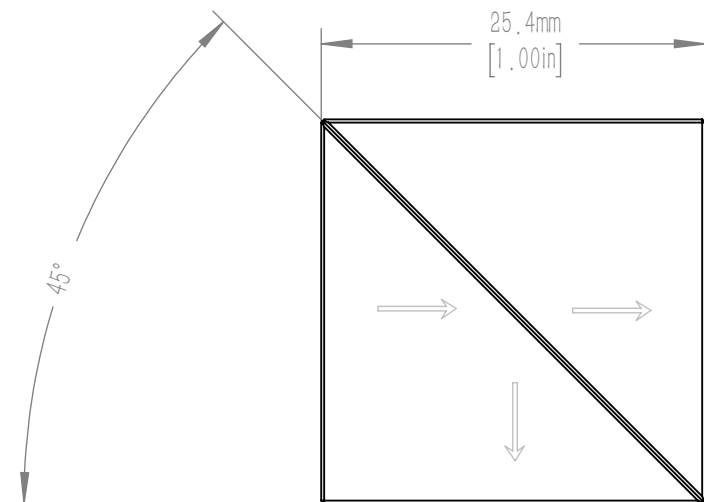
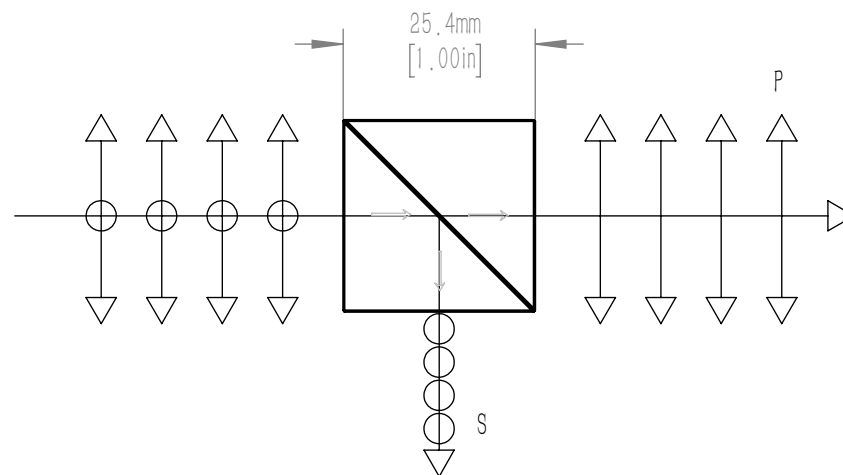




#### Notes/Specifications:

1. Design wavelength: 266nm
2. Clear aperture:  $>22.86 \times 22.86\text{mm}$
3. Transmitted wavefront error:  $<\lambda/4$  @ 633nm
4. Surface flatness:  $<\lambda/10$  @ 633nm
5. Surface quality: 20-10 scratch-dig
6. Transmitted beam deviation:  $<5$  arcmin
7. Reflected beam deviation:  $90^\circ \pm 5$  arcmin
8. Extinction ratio:  $T_p/T_s > 2000:1$
9. Transmission efficiency:  $T_p > 95\%$
10. Reflection efficiency:  $R_s > 99.5\%$
11. Coating (all 4 outer optical surfaces):  
VAR coating  $R_{abs} < 0.25\%$  @ 266nm,  $0^\circ$  AOI



FOR INFORMATION ONLY  
NOT FOR MANUFACTURING PURPOSES

|                                                    |      |           |                                                                                       |         |                                                                                       |     |  |  |
|----------------------------------------------------|------|-----------|---------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------|-----|--|--|
| DRAWING PROJECTION                                 |      |           |  |         |  |     |  |  |
|                                                    | NAME | DATE      | 25.4mm High Power Polarizing Beamsplitter Cube 266nm                                  |         |                                                                                       |     |  |  |
| DRAWN                                              | CWD  | 2022/5/18 | PBS254HP-266                                                                          |         |                                                                                       |     |  |  |
| APPROVAL                                           | ZSE  | 2022/5/18 | MATERIAL                                                                              | WEIGHT  | SCALE                                                                                 | REV |  |  |
| FOR INFORMATION ONLYNOT FOR MANUFACTURING PURPOSES |      |           | UV FUSED SILICA                                                                       | 0.036kg | 2: 1                                                                                  | A   |  |  |