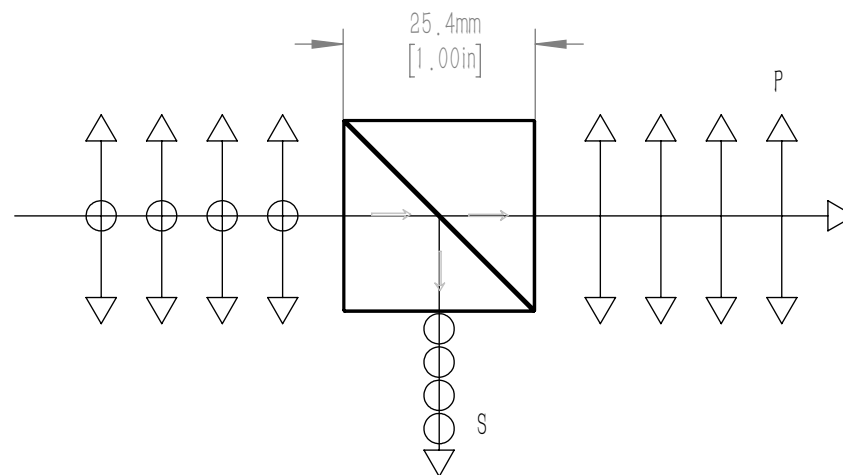




#### Notes/Specifications:

1. Design wavelength: 355nm
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  $R_{abs} < 0.25\%$  @ 355nm,  $0^\circ$  AOI



FOR INFORMATION ONLY  
NOT FOR MANUFACTURING PURPOSES

|  |      |           |   |         |       |     |
|--|------|-----------|---|---------|-------|-----|
| DRAWING PROJECTION  |      |           |  |         |       |     |
|  | NAME | DATE      | 25.4mm High Power Polarizing Beamsplitter Cube 355nm                                  |         |       |     |
| DRAWN  | CWD  | 2022/5/18 | PBS254HP-355  |         |       |     |
| APPROVAL   | ZSB  | 2022/5/18 | MATERIAL  | WEIGHT  | SCALE | REV |
| FOR INFORMATION ONLYNOT FOR MANUFACTURING PURPOSES   |      |           | UV FUSED SILICA   | 0.036kg | 2:1   | A   |