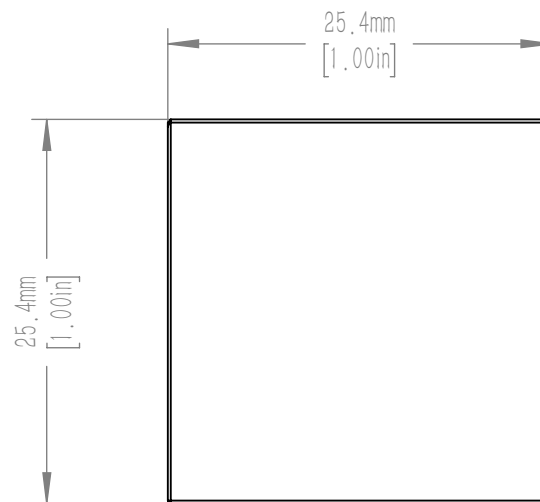
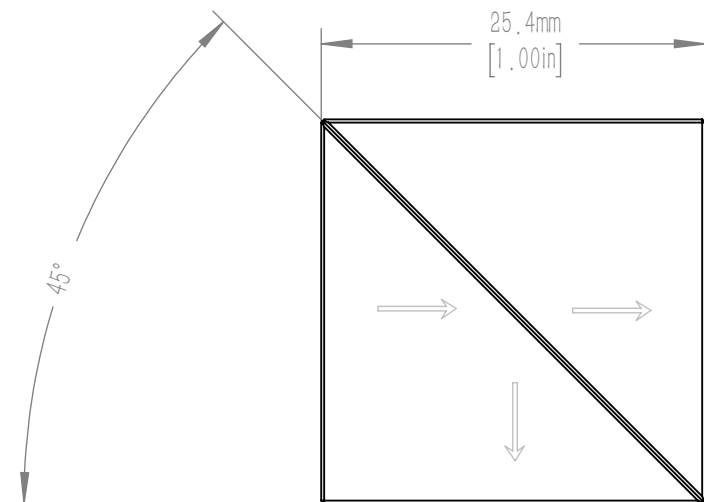
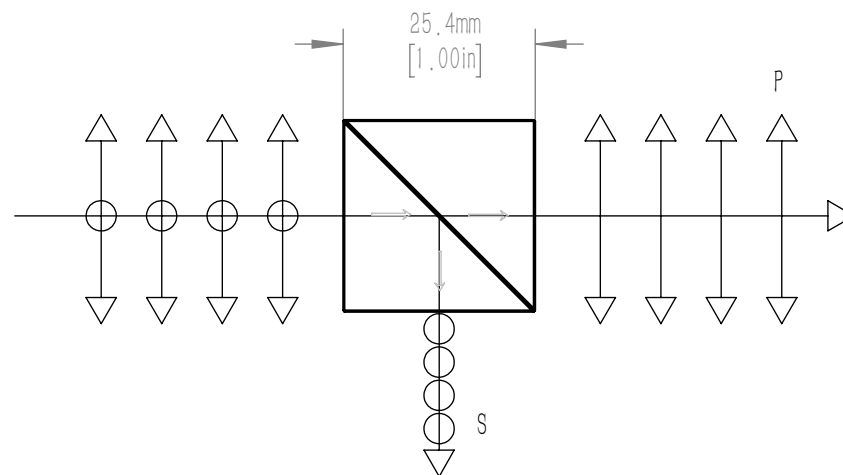




Notes/Specifications:

1. Design wavelength: 405nm
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 $R_{abs} < 0.25\%$ @ 405nm, 0° AOI



FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION						
	NAME	DATE	25.4mm Polarizing Beamsplitter Cube 405nm			
DRAWN	CWD	2022/5/18	PBS254-405			
APPROVAL	ZSE	2022/5/18	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLYNOT FOR MANUFACTURING PURPOSES			UV FUSED SILICA	0.14kg	2: 1	A