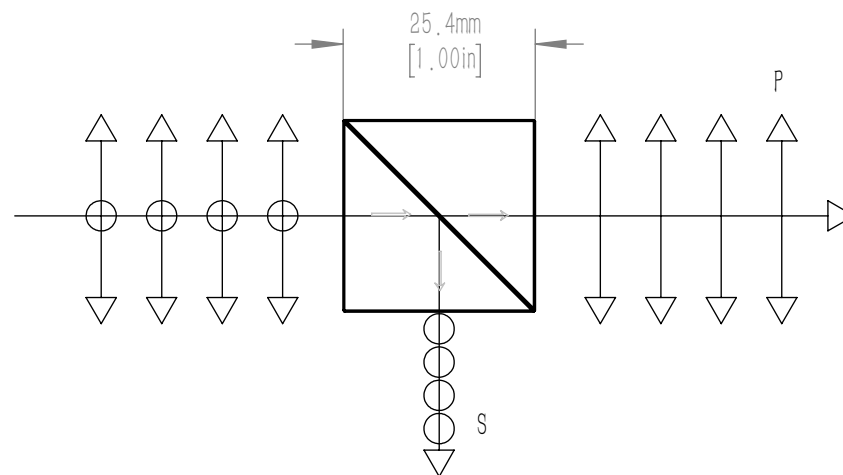




Notes/Specifications:

1. Design wavelength: 830nm
2. Clear aperture: $>22.86 \times 22.86\text{mm}$
3. Transmitted wavefront error: $<\lambda/4 @ 633\text{nm}$
4. Surface flatness: $<\lambda/10 @ 633\text{nm}$
5. Surface quality: 20-10 scratch-dig
6. Transmitted beam deviation: $<5 \text{ arcmin}$
7. Reflected beam deviation: $90^\circ \pm 5 \text{ arcmin}$
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 $R_{abs} < 0.25\% @ 830\text{nm}$, 0° AOI



FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION						
	NAME	DATE	25.4mm High Power Polarizing Beamsplitter Cube 830nm			
DRAWN	CWD	2022/5/18	PBS254HP-830			
APPROVAL	ZSB	2022/5/18	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLYNOT FOR MANUFACTURING PURPOSES			UV FUSED SILICA	0.14kg	2 : 1	A