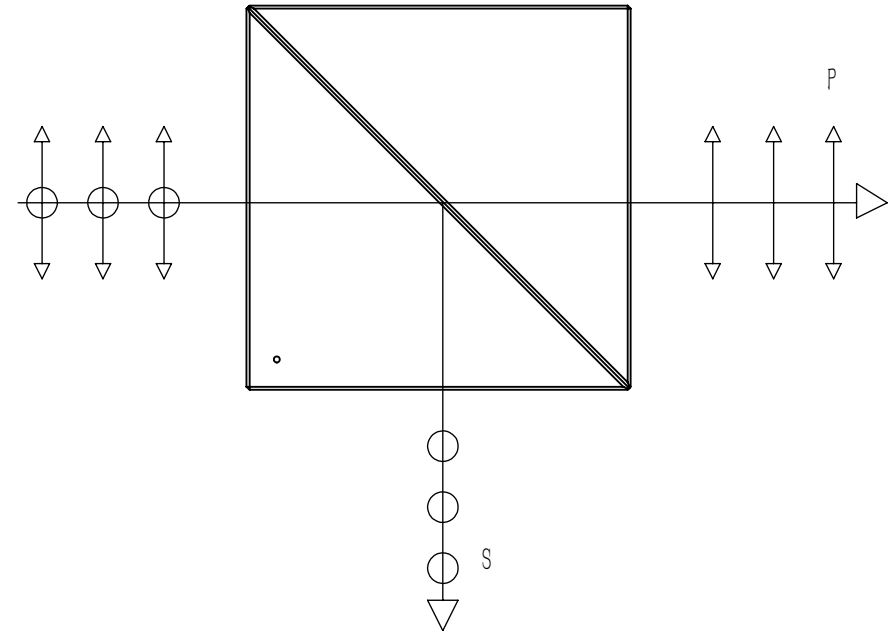
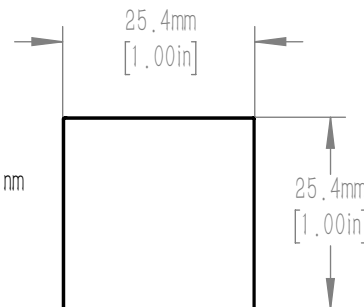


Make a pencil dot on prism with beamsplitter coating indicating recommended entrance faces



NOTES/SPECIFICATIONS

1. WAVELENGTH RANGE: 420–680 nm
2. CLEAR APERTURE: $>20.32 \text{ mm} \times 20.32 \text{ mm}$
3. TRANSMITTED WAVEFRONT ERROR: $<\lambda/4$ OVER $\varnothing 20.32 \text{ mm}$ AT 633 nm
4. DIMENSIONAL TOLERANCE: $+0.0/-0.2 \text{ mm}$
5. SURFACE QUALITY: 40–20 SCRATCH–DIG
6. TRANSMITTED BEAM DEVIATION: $0^\circ \pm 5 \text{ arcmin}$
7. REFLECTED BEAM DEVIATION: $90^\circ \pm 5 \text{ arcmin}$
8. OVERALL PERFORMANCE:
 - EXTINCTION RATIO: $>1000:1$
 - TRANSMISSION EFFICIENCY: $T_p > 90\%$
 - REFLECTION EFFICIENCY: $R_s \text{ avg} > 99.5\%$ (WITNESS SAMPLE)
9. COATING (ALL OUTER OPTICAL SURFACES): BBAR 420–680 nm, $R_{\text{avg}} < 0.5\%$

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION						
	NAME	DATE	25.4mm Polarizing Beamsplitter Cube 420-680nm			
DRAWN	CWD	2022/5/18	PBS254-420-680			
APPROVAL	ZSB	2022/5/18	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLYNOT FOR MANUFACTURING PURPOSES			N-SF1	0.05kg	2:1	A