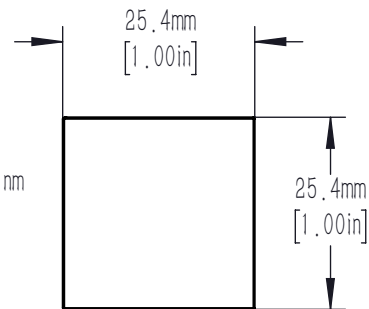
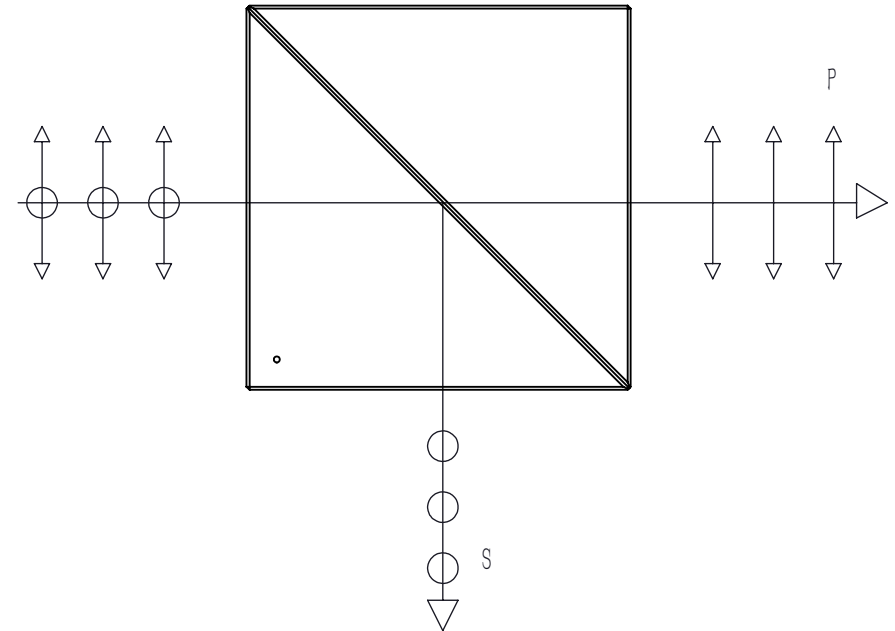


Make a pencil dot on prism with beamsplitter coating indicating recommended entrance faces



NOTES/SPECIFICATIONS

1. WAVELENGTH RANGE: 1200–1600 nm
2. CLEAR APERTURE: >20.32 mm X 20.32 mm
3. TRANSMITTED WAVEFRONT ERROR: $< \lambda/4$ OVER $\varnothing 20.32$ mm AT 633 nm
4. DIMENSIONAL TOLERANCE: +0.0/-0.2 mm
5. SURFACE QUALITY: 40–20 SCRATCH–DIG
6. TRANSMITTED BEAM DEVIATION: $0^\circ \pm 5$ arcmin
7. REFLECTED BEAM DEVIATION: $90^\circ \pm 5$ 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 1200–1600 nm, $R_{\text{avg}} < 0.5\%$

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

| | | | | | | |
|--|------|---|---|---|-------|-----|
| DRAWING PROJECTION | |  | |  | | |
| | NAME | DATE | 25.4mm Polarizing Beamsplitter Cube 1200-1600nm | | | |
| DRAWN | CWD | 2022/5/18 | PBS254-1200-1600 | | | |
| APPROVAL | ZSB | 2022/5/18 | MATERIAL | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLYNOT FOR MANUFACTURING PURPOSES | | | N-SF1 | 0.05kg | 2:1 | A |