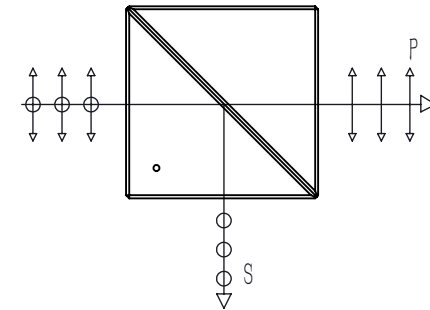
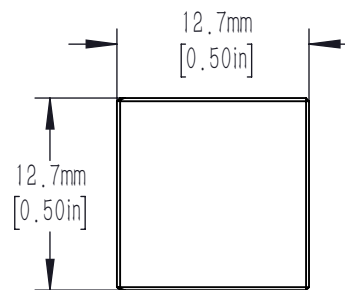


Make a pencil dot on prism with
beamsplitter coating indicating
recommended entrance faces

NOTES/SPECIFICATIONS

1. WAVELENGTH RANGE: 1200–1600 nm
2. CLEAR APERTURE: >10.16 mm X 10.16 mm
3. TRANSMITTED WAVEFRONT ERROR: $<\lambda/4$ OVER $\varnothing 10.16$ 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, $R_{\text{avg}} < 0.5\%$



DRAWING PROJECTION						
	NAME	DATE	12.7mm Polarizing Beamsplitter Cube 1200-1600nm			
DRAWN	CWD	2022/5/18	PBS127-1200-1600			
APPROVAL	ZSB	2022/5/18	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLYNOT FOR MANUFACTURING PURPOSES			N-SF1	0.006kg	2:1	A