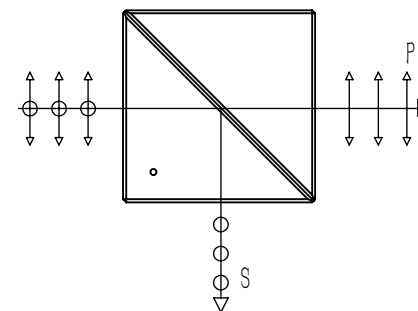
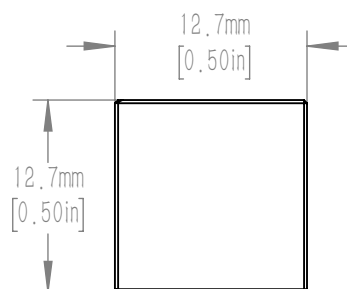




Make a pencil dot on prism with  
beamsplitter coating indicating  
recommended entrance faces



#### NOTES/SPECIFICATIONS

1. WAVELENGTH RANGE: 900–1300 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 900–1300 nm,  $R_{\text{avg}} < 0.5\%$

FOR INFORMATION ONLY  
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION						
	NAME	DATE	12.7mm Polarizing Beamsplitter Cube 900-1300nm			
DRAWN	CWD	2022/5/18	PBS127-900-1300			
APPROVAL	ZSB	2022/5/18	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLYNOT FOR MANUFACTURING PURPOSES			N-SF1	0.006kg	2:1	A