45°

12.7mm
[0.50in]
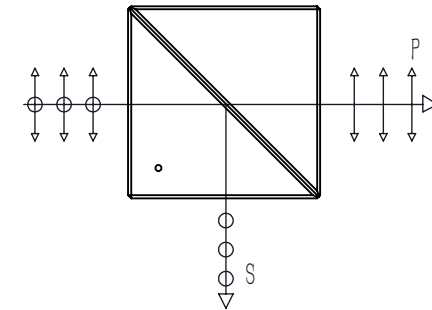
Make a pencil dot on prism with
beamsplitter coating indicating
recommended entrance faces

12.7mm
[0.50in]

12.7mm
[0.50in]

P

S
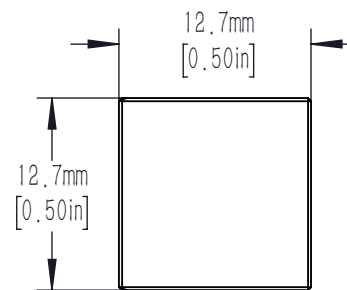
NOTES/SPECIFICATIONS

1. WAVELENGTH RANGE: 620-1000 nm

2. CLEAR APERTURE: >10.16 mm X 10.16 mm

3. TRANSMITTED WAVEFRONT ERROR: <λ/4 OVER ∅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° ±5 arcmin

7. REFLECTED BEAM DEVIATION: 90° ±5 arcmin

8. OVERALL PERFORMANCE:

     EXTINCTION RATIO: >1000:1

     TRANSMISSION EFFICIENCY: Tp>90%

     REFLECTION EFFICIENCY: Rs avg>99.5% (WITNESS SAMPLE)

9. COATING (ALL OUTER OPTICAL SURFACES): BBAR 620-1000 nm, Ravg <0.5%

DRAWING PROJECTION			睿创光科 RCOPTICS			
	NAME	DATE	12.7mm Polarizing Beamsplitter Cube 620-1000nm			
DRAWN	CWD	2022/5/18	PBS127-620-1000			
APPROVAL	ZSB	2022/5/18	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLYNOT FOR MANUFACTURING PURPOSES			N-SF1	0.006kg	2:1	A