



#### NOTES/SPECIFICATIONS

1. WAVELENGTH RANGE: 1200–1600 nm
2. CLEAR APERTURE: >40.64 mm X 40.64 mm
3. TRANSMITTED WAVEFRONT ERROR:  $< \lambda/4$  OVER 40.64 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	50.8mm Polarizing Beamsplitter Cube, 1200 - 1600 nm			
DRAWN	CWD	2022/5/18	PBS508-1200-1600			
APPROVAL	ZSB	2022/5/18	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLYNOT FOR MANUFACTURING PURPOSES			N-SF1	0.4kg	1:1	A