



NOTES/SPECIFICATIONS

1. WAVELENGTH RANGE: 620–1000 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 620–1000 nm, $R_{\text{avg}} < 0.5\%$

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION						
	NAME	DATE	50.8mm Polarizing Beamsplitter Cube, 620 - 1000 nm			
DRAWN	CWD	2022/5/18	PBS508-620-1000			
APPROVAL	ZSB	2022/5/18	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLYNOT FOR MANUFACTURING PURPOSES			N-SF1	0.4kg	1:1	A