


# NOTES/SPECIFICATIONS:

- DESIGN WAVELENGTH: 980 nm
- CLEAR APERTURE: >20.32 mm x 20.32 mm
- TRANSMITTED WAVEFRONT ERROR:  $<\lambda/4$  AT 633 nm OVER  $\varnothing 20.32$  mm
- SURFACE QUALITY: 40-20 SCRATCH-DIG
- DIMENSIONAL TOLERANCE: +0.0/-0.2 mm
- TRANSMITTED BEAM DEVIATION:  $0^\circ \pm 5$  arcmin
- REFLECTED BEAM DEVIATION:  $90^\circ \pm 5$  arcmin
- EXTINCTION RATIO:  $T_p/T_s > 3000:1$
- TRANSMISSION EFFICIENCY:  $T_p > 95\%$
- REFLECTION EFFICIENCY:  $R_s > 99.5\%$
- COATING (ALL 4 OUTER OPTICAL SURFACES):  
VAR COATING  $R_{abs} < 0.25\%$  AT 980 nm,  $0^\circ$  AOI

FOR INFORMATION ONLY  
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION						
	NAME	DATE	25.4mm Polarizing Beamsplitter Cube 980nm			
DRAWN	CWD	2022/5/18	PBS254-980			
APPROVAL	ZSB	2022/5/18	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLYNOT FOR MANUFACTURING PURPOSES			UV FUSED SILICA	0.14kg		D